CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, loft, New York, N. Y., L. Adler sketches, $7,000,000.

Apartment, Chicago, Ill., Syndicate c/o Hooper & Janusch, archts., plans, $3,000,000.

Apartments and stores, New York, N. Y., Soundfield Holding Corp., plans, $2,175,000.

Apartment, New York, N. Y., Northview Investing Corp., plans, $2,000,000.

Apartment, New York, N. Y., Montelenox Corp., plans, $2,000,000.

Office and store, Chicago, Ill., A. N. Rebori, archt., soon takes bids for J. M. Patterson, $2,000,000.

Foundry, Pontiac, Mich., Oakland Motor Corp., plans, $2,000,000.

City hall, New Haven, Conn., City Hall Bldg. Conn., sketches, $1,750,000.

Hospital, New York, N. Y., Eighty-seven St. East End Corp., plans, $1,750,000.

Bank and office, New York, N. Y. Thirty-five-forty-one Broad St. Corp., Plans, $1,500,000.

Opera house, San Francisco, Calif., City and San Francisco Co., plans, $1,500,000.

Apartment, Seattle, Wash., J. Hudson, plans, $1,000,000.

Apartment, North Tarrytown, N. Y., sketches, $1,000,000.

Bids Desired

Apartment, Chicago, Ill., R. De Goyler & Co., archts., taking bids for W. C. Bannerman & Co., $1,000,000.

Printing plant, Chicago, Ill., A. S. Alschuler, Inc., archts., taking bids for J. T. Igoe, $1,000,000.

Bids Received

Sewers, Detroit, Mich., G. A. Dingman, drain comr. from M. B. Hanna Co., $1,168.173.

Contracts Awarded

Bank and warehouse, New York, N. Y., Lincoln Forty Second Street Co., to Dwight P. Robinson Co., est. $30,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 7.

Apartment, Chicago, Ill., Plotke & Grosby, general contract to Trimmer Wylde Co., est. $3,000,000.

Hotel and appartment, St., Louis, Mo., Coronado Hotel Co., separate contracts, $2,500,000.

Storage and factory Brooklyn, N. Y., New York Dock Co., to White Constr. Co., est. $2,218,000.

Auditorium, Wash., D. C., Daughters of Amer. Revolution to G. A. Fuller Co., New York, $1,875,000.

Theatre, office, Detroit, Mich., A. G. Wilson, to Bryant & Detwiler, est. $1,500,000.

Hospital, Toronto, Ont., Toronto General Hospital Bd., to W. H. Yates Constr. Co., est. $1,500,000.

Office, Oakland, Calif., Corporation, c/o W. H. Weeks, archt., to Cahill Bros. San Francisco, $1,500,000.

Hotel, St. Louis, Mo., Hotel Investment Co., to Kopman Constr. Co., est. $1,300,000.

Barracks, etc., California. Construction officers, to Meltry Bros., Los Angeles and others, totaling $1,019,195.

Hospital, Detroit, Mich., A. Kahn, archt., to Bryant & Detwiler, est. $1,000,000.

Clubhouse Tecumseh, Ont., Deauville Beach Club., to F. R. Patterson Constr. Co., Detroit, Mich., est. $1,000,000.

Hospital, Brooklyn, N. Y., Brooklyn Eye & Ear Hospital, to W. Kennedy, est. $1,000,000.

News of the Week

Waterworks

Proposed Work

Vt., St. Albans—For 10,700 ft. 16 in. mains, reinforcing old mains. $125,000. Address City engineer.

Conn., New Britain—Water Comrs., A. Hatch, chn., postponed construction, 3 story, 14 m.g. brick, concrete, filtration plant, pumping equipment, reservoirs. $1,000,000. J. D. Williams, city engr. Noted Apr. 5.

Ill., Princeton — Purchasing, installing water filter and softner. $45,000. R. L. Schoenberger, Princeton, engr.

Mo., Oak Grove—Improving waterworks, sewers. To exceed $15,000. Burns & McDonnell, 40 Interstate Bldg., Kansas City, engrs.

Mo., St. Louis — Water Dept., L. Day, comr., City Hall, soon takes bids water meters, equipment for Dpt. P. Utilities, Water Div. $50,000.

Tex., Dallas—E. A. Woods, city engr., soon takes bids pumping and purification plant, reservoir and pipe lines for City, c/o M. G. James, secy. Fuller & McClintock, 170 Bway., New York, consut. engrs. Noted Apr. 26.

Tex., Port Neches—Soon takes bids waterworks improvements. $45,000. H. L. Thackwell, Jacksonville, engr.

Okla., Ardmore — Grotto Lodge preliminary plans masonry dam and lake. $175,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Chelsea—Impounding reservoir, dam, filter plant, pumping equipment. $175,000 bond election in summer for same. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs. Noted Mar. 24, 1927.

Okla., Newcastle — New waterworks. $18,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

Okla., Ponca City—Preliminary plans extending 13,000 ft. 6 and 8 in. mains in Otoe, Black, England and Kay Sts. $20,000. H. W. Crawford, City Hall, engr.

Wash., Edmonds — Surveys 500,000 gal. steel reservoir, 3 wells, 10 mi. 8 and 12 in. mains. Election soon $150,000 for same. W. T. Batcheller, Dexter Horton Bldg., Seattle, engr.

Ore., Astoria — Extending waterworks. $400,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Ont., Hamilton—For 2½ mi. 6 in. and up c.i. mains in Aberdeen and Glenfern Aves., Hess, Markland and Queen Sts. $30,500. W. L. McFaul, City Hall, engr.

Ont., Hamilton — For 2 mi. 30 in. c.i. mains in Charlton Ave. $122,000. W. L. McFaul, City Hall, engr.

Ont., Niagara Falls—Water Comn. brick, stone, concrete filtration plant, mechanical filters, pumps, valves, piping. $400,000. F. A. Dallyn, 71 King St. W., Toronto, engr. Noted May 24.

Bids Desired

Mass., Marshfield—Water Comrs. taking bids superstructure 1 story, brick, pumping station, plain found. $40,000. Seymonds & Stevens, 70 State St., Boston, engrs. Noted May 3.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Mount Pleasant—July 18, by Comrs. Valhalla Water Dist., at Town Rooms, Valhalla, mains, pumphouse, reservoir. C. H. Sells, Inc., Pleasantville, engr.; adv. E. N.-R. July 5.

Mich., Grosse Ile—July 6, by F. Burdeno, clk. Grosse Ile Twp., 17,500 ft. 6 and 8 in. c.i. mains, valves, in Dist. 3. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engr.

Mich., Saginaw—July 10, by P. Sager, comr. Light Water & Sewers, 30 and 36 in. steel or c. i. mains, Part 1, 893 lin. ft. main, Part 2, 828 ft. Lake Linton Crossing, 2093 ft. island crossing. H. H. Eymer, city engr.

Mo., Perryville—July 10, by City Clerk, filtration plant, pumping equipment, distribution lines, hydrants, valves, 175,000 gal. tank on tower. $120,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs. Noted May 3.

Bids Received

Pa., Phila.—Dpt. P. Wks., Bureau of Water, June 25, Contr. 924, from W. A. Lamb Co., 1700 Walnut St., $15,374; Contr. 926, from E. F. Roberts, 2622 Columbia Ave., $1,797; Contr. 930, from Herman Mayer Co., K. and Venango Sts., $19,433.

Neb., Wells—See "Sewers."

Contracts Awarded

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park, to G. V. Cornell, Rosebank, $156,000. Noted June 28.

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., welding and coating pitted sections 66 in. steel pipe in Clove Rd., to T. R. Coffey Co., 320 Bway., New York, $10,520. Noted May 24.

N. J., Lyndhurst (Rutherford P. O.)—Bd. Town Council, c.i. pipe, valves, hydrants, to Passaic Plumbing & Supply Co., 828 Main Ave., Passaic. Est. $15,000.

Pa., Phila.—Dpt. P. Wks., Bureau of Water, Contr. 921, to N. Trotter & Co., 26 North Front St., $6,520; Contr. 922, to C. E. Smith, 19 East Coulter St., $28,900; Contr. 923, to Acme Machine Co., 316 North 17th St., $49,985; Contr. 927, to M. and J. B. McHugh, 892 North Markoe St. $24,688. Grand total $110,093. Noted June 14.

Pa., Rutherford — Reading R.R. Co., Reading Terminal Bldg., Phila., 2 mi. 14 in. c.i. main, to Gannett, Seelye & Fleming Engineers, Inc., 2905 North Front St., Harrisburg, $50,000.

O., Cleveland—Cuyahoga Co., 7,000 ft. 6 in. c.i. mains in Broadview Rd. (Impvt. 125), to Gantose Constr. Co., 4844 Brookpark Rd., $19,958; 8,000 ft. 6 and 8 in. c.i. mains in Garden Blvd. (Impvt. 580), to Hadded-Mall Co., Schofield Bldg., $16,200.

See proposal advertising on page 160

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Ill., Niles (mail Chicago) — For 6- to 18-in. vitr. sewer pipe, to A. Ranieri, 4901 Altgeld St., Chicago, $22,103.

Wis., Milwaukee—For 4,622 ft. 6- to 48-in. mains in Hawley Rd., 53rd, Vine and 55th Sts., to H. Hohensee, 1282-10th Ave., $57,473.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., c.i. mains in Chase Ave., to Mierswa Constr. Co., 666-20th St., $21,012.

Neb., Garland—T. S. Petrie, city clk., general contract waterworks, tank on tower, pump house, pipe, to C. Roebeck, 1136 South 32nd St., Omaha; well and pump, to E. C. Archibald, 111 South 25th St., Council Bluffs, Ia. Est. $22,000. Noted June 7.

Okla., McLoud—New waterworks, incl. deep well pump and motor, 17, 200 ft. 2- to 6-in. c.i. mains, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $31,216. Est. $35,000.

Okla., Oklahoma City—Extending 35,000 ft. 6- to 10-in. mains, to Sherman Iron Wks., 18 East Main St., $84,123. Est. $106,000.

Sewers

Proposed Work

N. J., West Orange—Bd. Town Comrs., Town Hall, 15 mi. sanitary sewers, 2 pumping stations, 4th Ward Sect. in Eagle Rock Ave. and Northfield Rd. $600,000. A. Potter, 50 Church St., New York, engr.

Miss., Bolton—Preliminary plans sewerage system. R. M. Striger, Jackson, engr.

Ky., Paducah—Storm and sanitary sewerage system for southern section city annexed to city dist., 1½ mi. long, ¾ mi. wide. $250,000-$300,000. R. Bradshaw, City Hall, engr.

N. J., Maywood (sta. Hackensack)—Bd. City Council, Municipal Bldg., sanitary sewers in Romaine Ave., Englewood and Sinninger Pls., Hardwich, Ackerman and Stewart Sts. $35,000. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Milburn—Twp. Com.. Municipal Bldg., storm sewers in streets west of west branch Rahway River, $108,000, E. Halsey, 79 Academy St., Newark, twp. engr. Noted June 21.

N. J., Trenton—City Comn., L. D. Hirsch, city clk., various sized drains in several streets. $30,430. A. C. Gregory, Trenton, engr.

N. C., Charlotte — See "Streets and Roads."

O., Apple Creek—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., sewage disposal plant. $40,000. A. B. Briggs, Ohio-Hartman Bldg., Columbus, engr.

O., Brooklyn (br. Cleveland)—Village, 1 mi. 12 in. sewers in Tallman Rd. To exceed $40,000. R. Hecker, 905 Leader Bldg., Cleveland, engr.

Mich., Buchanan—For 1.7 mi. 8- to 12-in. vitr. or concrete and 1 mi. 12- to 30-in. concrete sewers. J. W. Toyne, South Bend, Ind., engr. Noted Jan. 19.

Mich., Romeo—For 12,450 ft. 8- to 12-in. vitr. or concrete sewer in Dists. 12, 13, 14 and 15. $30,000. G. H. Ruhling, 900 Lawyers Bldg., Detroit, engr.

Ill., Collinsville—Sewers, sewage disposal plant, incl. pumping station, Imhoff tank, sprinkling filters. $250,000. Kinsey Eng. Co., Marshall Blk., Pekin, engrs.

Ill., Jonesboro—Preliminary plans sanitary sewers. $50,000. P. B. Wilson, Marion, engr.

Ill., Metropolis—Sanitary sewerage system. $53,000. P. B. Wilson, Marion, engr.

Ill., Princeton—New unit to sewage disposal plant. R. L. Schoenberger, Princeton, engr.

Kan., Wellington—Sewage disposal plant. To exceed $25,000.

Neb., St. Paul—Soon takes bids sewerage system, 27,390 ft. 8- to 12-in. vitr. clay pipe, 11 flush tanks, 2,000 ft. ¾ in. galvanized pipe, and lowering 1,020 ft. c.i. pipe. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., Oak Grove—See "Waterworks."

Tex., Port Neches—Soon takes bids sanitary sewers. $40,000. H. L. Thackwell, Jacksonville, engr.

Okla., Antlers—Preliminary plans 12,000 ft. 10 in. vitr. clay sewers in East Main St. $26,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Okla., Clinton—Surveys extending 7 mi. sewers. $60,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Davenport — Preliminary plans sewer extensions. $30,000. C. A. Wood, Stillwater, engr.

Okla., Duncan—Preliminary plans extending 16,650 ft. 8 and 10 in. sewers in Country Club addition. $27,000. H. J. Wilkins, Duncan, engr.

Okla., Hooker—Surveys sewerage system. $55,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Manitou—Surveys sewerage system. $30,000. R. E. Whiteneck, 120 West 32nd St., Oklahoma City, engr.

Okla., Oklahoma City—Sanitary sewers in 4th, Easton and Prospects Sts. $40,000. W. W. Small, City Hall, engr.

Wash., Seattle—Bd. P. Wks., C. B. Bagley, secy., cancelled bids to have been opened July 6, sewer in West Hanford St. $1,495,364. Will prepare new specifications and soon takes new bids on same. W. D. Barkhuff, city engr. Noted June 28.

Calif., Los Angeles—Sacatela Storm Drain embracing 4,270 acres of drainage drainage area, some box section, 12 x 9 ft. 6 in. $1,300,000. L. W. Armstrong, city storm drain, engr.

Calif., Santa Clara—Sewers. To exceed $25,000. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Vista—Vista Sanitary Dist. election $70,000, sewerage system Burns-McDonnell & Smith Engr. Co., Western Pacific Bldg., Los Angeles, engrs.

Ont., Toronto—For 8,000 ft. 8 in. and up drainage system in Cherry St. Dist. $75,710. R. C. Harris, City Hall, engr.

Ont., Toronto—For 3½ mi. 8 in. and up vitr. tile outlet sewer in Logan Ave. Dist. $35,140. R. C. Harris, City Hall, engr.

Ont., Toronto—For 3 mi. 8 in. and up sewers in Carlaw-Commissioners St. Dist. $163,919. R. C. Harris, City Hall, engr.

Bids Desired

Conn., Norfolk—July 17, by Executive Com. Norfolk Sewer Dist., sewerage works. City-Wastes Disposal Co., 45-7th Ave., New York, engrs., adv. E. N.-R. July 5.

N. Y., Albany—Albany Co. bids about Aug. 1, sewerage system for Delmar-Elsmere Sewer Dist. $200,000. R. C. Wheeler, 36 State St., Albany, engr.

N. Y., Brooklyn—July 11, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Lenox Rd., Kings Highway, Rockaway Parkway, 53rd St., Avenue V, Elm and 11th Aves.

N. J., Newton—July 16, by Town Com., altering and additions Sparta and Clinton Streets Sewage Treatment Works. T. F. Bowe, 110 William St., New York, consult. engr.; adv. E. N.-R. July 5. Noted Dec. 8.

Md., Baltimore—July 11, by Bd. Awards, sewers, storm drains in Sewer Dist. J-5, Sanitary Contr. 249. M. J. Ruark, sewerage engr.

O., North Canton (br. Canton)—Bd. Control bids about July 11, sanitary trunk sewer to serve North Canton and to hook into Big Edgefield Interceptor Sewer. $100,000. G. Davidson, North Market Rd., Canton, engr.

O., Warrensville Heights (br. Cleveland)—July 7, by Village, sewers and water curb connections, storm and sanitary sewers. To exceed $75,000. C. W. Courtney, 1771 East 11th St., Cleveland, engr.

Ill., Chicago—July 19, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., West Side Sewage Treatment Works, Div. O, T. J. Crowe, pres.; adv. E. N.-R., July 5.

Ill., Springfield—July 25, by Springfield Sanitary Dist., City Hall, Sewage Treatment Plant Divis. K, L, M, N, and O., S. S. Breese, pres.; adv. E. N.-R. July 5.

Calif., Livingston—E. J. Hicks, city clk., taking bids vitr. sewers. $25,000 or more.

Ont., Kitchener — Bids about July 23, sewage disposal plant. $325,000. Gore Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted May 10.

Bids Received

N. Y., Albany—R. C. Wheeler, engr., 36 State St., June 25, sewerage system in West Albany Sewer Dist., Colonie, from M. F. Dollard, 36 State St., Albany, $20,402. Noted June 21.

New Jersey—Municipalities of Bloomfield, Glen Ridge and Montclair, Council Chamber, Glen Ridge, June 20, Joint Third River Sewer, Contr. 1, from Romano & Saggese, 181 Glen Ridge Ave., Montclair. Noted June 7.

N. J., Jersey City—Bd. City Comrs., City Hall, June 26, sewer in Central Ave., from S. Colacurcio, 9 Casper Court, 81% $52,000 approriation.

N. J., Jersey City—Bd. City Comrs., City Hall, June 26, sewer in Jersey Ave. from 14th St. to Hoboken Ave., from New Jersey Asphalt & Paving Co., foot Jersey Ave., 95½% $80,000 appropriation.

Mich., Detroit—G. A. Dingman, drain comr. Wayne Co., June 6, Le Blanc Drain extension, Sects. 1-19, Taylor Twp., from M. R. Hanna Co., Ryan Rd. and Nevada Ave., $1,168,173. Noted May 24.

Wis., Milwaukee—Sewerage Comn., 508 Market St., Manitoba-Janesville Plank Rd. Sewer, from G. R. Fehr, 1253 29th St., $80,373. Est. $95,000. Noted June 7.

Mo., St. Louis—Bd. P. Serv., City Hall, June 26, Rock Creek Joint Sewer, 815 ft. 16 ft. rein.-con. horseshoe pipe, from R. J. Blackburn, 5700 Eichelberger St., $65,627. Est. $87,000. Noted June 7.

Nev., Wells — Sewers and watermains, from Mullins & Wheeler, Salt Lake City, Utah, $31,920.

Calif., Pasadena—Sewers, concrete pipe with cement joints, in Lamanda Park, from M. Simunovich, 3305 West 66th St., Los Angeles, $220,600.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in East 37th St., to Necaro Co., Inc., 97 Court St., $176,937; East 57th St., to S. Guerriero Co., 1024 66th St., $1,955. Noted June 21.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall (**e.e. means engineers estimate**), to P. Tomassetti Contg. Co., 1133 60th St., sewers in Pennsylvania Ave. 63.5 per cent, e.e. 5,000, Bay 20th St. 95 per cent, e.e. $4,100, 60th St. 73 per cent, e.e. $2,500; to Del Mel Constr. Co., 7624 15th Ave., East 96th St. 69.5 per cent, e.e. $3,100; to F. Vacaro, 1024 66th St., West 10th St. 59.91 per cent, e.e. $2,700, 84th St. 66.91 per cent, e.e. $2,500, 64th St. 63.82 per cent, e.e. $1,600; to C. Tozzi, 1362 63rd St., Ocean Parkway 64.99 per cent, e.e. $1,900, East 96th St. 57.99 per cent, e.e. $300. Noted June 14.

N. J., Haddon Heights—Boro Council, addition, enlarging sewage disposal plant, to R. E. Lamb Co., 841 North 19th St., Phila., Pa., $66,490. Noted May 31.

N. J., Harrington Park—Bd. Boro Council, storm sewerage system, South St., north of Harriet Ave. and west from Giles Rd. to Parkside, to L. H. Card, 377 1st St., Hackensack, $75,147.

Pa., Hollidaysburg—Supervs. Blair Co., Fairview Sewer, 18,690 ft. 6- 7- 24- and 30 in. pipe, in Logan Twp., to Tiffany Parson & Bloom, Castle Shannon. Est. $50,000.

Miss., Clinton—Sewers, disposal plant, incl. settling tank, sand filters, to B. E. Walker Constr. Co., 183 Glen Mary St., Jackson, $24,000. Noted May 31.

O., Canton—Trunk line Sewer 1, outskirts of city on Tuscarawas St. E. to River Constr. Co., Eberman Pl. S.E., $26,012. Est. $25,000.

O., Cleveland—Cuyahoga Co., 3,000 ft. 8- to 18-in. vitr. tile sewers in Liberty Ave. Impvt. 127, and 7,000 ft. 8- to 30-in. rein.-con. in Broadview Rd. (Impvt. 125), to Gantose Constr. Co., 4844 Brook Park Rd., $16,535 and $35,750 respectively; 8,500 ft. 8- to 42-in. rein.-con. in Garden Blvd. (Impvt. 515), to Hadded Mall Co., Schofield Bldg., $34,999. Grand total $87,284. Noted May 31.

Mich., Pontiac — For 48 in. concrete in tunnel trunk sewer in Lois and Shirley Aves., to H. J. Lamet, 921 Frank St., Birmingham, $51,054.

Ill., Glencoe—See "Streets and Roads."

Ill., Niles (mail Chicago)—Water stubs, 6- to 12-in. mains, to A. Ranieri, 4901 Altgeld St., Chicago, $73,678.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Wenzel & Henoch Co., 498-27th St., extending East Morgan Avenue Tunnel $174,276, monolithic concrete sewer in East Morgan Ave. $214,188; and Brust Ave. $209,855. Grand total $598,319. Noted June 28.

Okla., McLoud—Sewerage system, incl. septic tank, 21,000 ft. 8 and 10 in. vitr. clay pipe, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $28,460. Est. $30,000. Noted Feb. 23.

Calif., Beaumont—Vitr. sewage system, to P. Barnett, 751 West Chapman Ave., Orange, $68,356.

Ont., Forest Hill—For 16,700 ft. 9 and 12 in. vitr. tile sewers, to A. Cavotte, 941 College St., Toronto, $50,731. Est. $50,000. Noted May 10.

Waste Disposal

Bids Desired

N. Y., New York—Dpt. Plant & Structures, A. Goldman, comr., Municipal Bldg., bids about Nov. 1, 350 ton daily capacity garbage incinerator, 9th Ave., 215th and 216th Sts. $950,000. E. A. Byrne, c/o owner, ch. engr.

Constr. News page 2

Michigan Cities Like It

84-inch line of Independent Reinforced Concrete Pipe laid at Clawson, Mich.

A Long List of Them Use INDEPENDENT Pipe for Permanent Sewers

MICHIGAN cities—all the way from Detroit to Iron Mountain—have laid scores of miles of INDEPENDENT Reinforced Concrete Sewer Pipe in the last 15 years.

So satisfactory have the installations proved that every year we have undertaken a large number of "repeat" contracts, as well as numerous new jobs in the Wolverine State.

Michigan cities, like those in a long list of other states, have found INDEPENDENT Pipe the most economical material for constructing permanent sewers.

An exclusive advantage, appreciated alike by engineer and contractor, is the "RECESSED" Joint of INDEPENDENT Pipe. This feature makes it easier to lay pipe properly under *any* trench condition, and assures smoother, stronger, tighter joints in the completed sewer.

We will gladly send you full information and estimates on the use of INDEPENDENT Pipe for your next sewer project. Write us.

Independent Concrete Pipe Co.
General Offices, Indianapolis, Ind.

Partial List of Michigan Cities that have laid "INDEPENDENT" Sewers

Adrian	Flint	Mt. Clemens
Ann Arbor	Ford	Niles
Birmingham	Iron Mountain	Oakland Co.
Bloomfield	Jackson	Pontiac
Clawson	Lansing	Port Huron
Dearborn	Menominee	Royal Oak
Detroit	Monroe	Saginaw
Ecorse	Muskegon	Trenton

INDEPENDENT

The Reinforced Concrete Pipe with the RECESSED Joint

Waste Disposal (Continued)

Contracts Awarded

N. J., Rahway—Bd. City Council, incinerator, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $40,750. Noted May 10.

Pa., Midland—Boro, 1 story, brick, steel incinerator (30 ton furnace), to Pittsburgh Des Moines Steel Co., Neville Island, Pittsburgh. Est. $35,000.

Bridges

Proposed Work

Vermont—Hy. Dpt., Montpelier, rejected bids June 22, bridge, 10 x 10 box culvert in Poultney. Noted June 21.

Ala., Birmingham — Preparing plans 1,000 ft. rein.-con. viaduct, 22nd St., 50 to 80 ft. $225,000. A. J. Hawkins, 407 City Hall, engr.

La., Moncla—State Hy. Comn., Baton Rouge, bridge over Red River, Moncla Landing. J. M. Fourmy, state Hy. engr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys bridge over Hiwassee River, on State Rd. 58, Meigs Co., $250,000—steel, concrete bridge over Clinch River, near Kingston, Roane Co. To exceed $800,000. H. F. Berry, comr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, soon takes bids concrete, steel bridge over Stones River, on Nashville-Lebanon Rd., Davidson Co. To exceed $25,000. H. F. Berry, hy. comr.

O., Ohlton (mail Mineral Ridge)—F. A. Labelle, Youngstown, bids in August, bridge over Meander Creek, near here for Mahoning Co., (Youngstown). $280,000.

Mich., Port Huron—Pere Marquette Ry. Co., Fort St., Union Depot, Detroit, H. A. Cassil, ch. engr., one 100 ft. span single leaf bascule type bridge, Pere Marquette Ry. and Black River. $250,000. C. H. Sheldon, c/o owner, engr. Bridges & Buildings.

Mont., Garrison — Northern Pacific Ry. Co., H. E. Stevens, ch. engr., Railroad Bldg., St. Paul, Minn., two 60 ft. steel, concrete span bridge over river, near here. $25,000.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids 250 ft. rein.-con. viaduct over River Des Peres, on Alabama Ave. $125,000. L. R. Bowen, City Hall, engr.

Mo., St. Louis—Wabash Ry. Co., R. H. Howard, ch. engr., Ry. Exch. Bldg., soon takes bids 100 ft. rein.-con., steel, double track bridge over North Bway. $89,000. This corrects report in June 14 issue.

Mo., St. Louis—Bd. P. Serv., preliminary plans rein.-con., steel viaduct over Union Station train shed at Clark Ave. between 18th and 21st Sts. $600,000. L. R. Bowen, City Hall, engr.

Texas and Mexico—A. Gonzales, Ysleta, Tex., timber vehicular and pedestrian bridge over Rio Grande River between Ysleta, Tex., and Zaraga, Mexico. $30,000.

Tex., Newton—See "Streets and Roads."

Okla., Ramona—Washington Co. (Bartlesville) preliminary plans 1 span 120 ft. steel truss bridge on piers over Four Mile Creek. $28,000. E. D. Kirkpatrick, Bartlesville, engr.

Calif., Sangus—State Hy. Dept., Sacramento, bridge to replace structure destroyed by St. Francis disaster, Los Angeles Co. $250,000. C. H. Purcell, Hy. Bldg., engr.

Ont., Toronto—For 400 ft. (probably steel trestle) bridge, on Spadina Rd. $250,000. R. C. Harris, City Hall, engr.

Bids Desired

Vermont—July 6, by State Hy. Comn., Montpelier, bridges in Hartford, Barton, Wallingford, Bethel, Randolf, Orange, Troy, Bridgewater, new bids Middletown Springs, Castleton and Poultney. S. B. Bates, comr. Noted June 21.

Mass., Hudson—See "Contracts Awarded."

Delaware—See "Streets and Roads."

Illinois—July 18, by State Dept. P. Wks. & Buildings, Div. Hys., Springfield, **(R.C.S. means Rein.-Con. Slab and R.C.G. Rein.-Con. Girder)** nineteen 35 ft. span steel I-beam trestle bridge, Route 3, Sect. 85-B, Schuyler Co.—two 39 ft. and three 64 ft. span R.C.G. Route 42, Sect. 113-B-2, Lake Co.—three 20 ft. R.C.S., three 50 ft. span R.C.G. and four 50 ft. span, one 18 ft. and one 12 ft. span R.C.S. extensions, Route 47, Sect. 123-B, Livingston Co.—two 30 ft. span R.C.S. and one 43 ft. R.C.G. Route 47, Sect. 125-B, Ford and Livingston Counties—seven 60 ft. span R.C.G. Route 48, Sect. 127-B, one 26 ft. R.C.S. and one 50 ft. R.C.G., Sect. 128-B, Macon Co.—two 16 ft. R.C.S., two 24 ft. and three 60 ft. span R.C.G., Route 49, Sect. 138-B, Iroquois Co.—75 ft. steel superstructure, Route 49, Sect. 139-C, Kankakee Co.—three 55 ft. span R.C.G., Route 72, Sect. 120-B, Ogle Co.—two 20 ft. R.C.S. one 30 ft. and two 40 ft. R.C.G., Route 75, Sect. 111-B, Stephenson Co.—one 20 ft. and one 14 ft. R.C.S., one 50 ft. R.C.G., Route 78, Sect. 115-B, Whiteside and Henry Counties—one 80 ft. rein.-con. substructure, Route 80, Sect. 123-B, and one 80 ft. steel superstructure, Route 123-C Knox Co.—one 45 ft. and one 60 ft. span R.C.G., Route 94, Sect. 112-B, Hancock Co.—two 40 ft. R.C.G., one 60 ft. and one 18 ft. R. C. S., Route 116, Sect. 120-B, Iroquis Co.—one 35 ft., one 57 ft. and two 59 ft. span R.C.G. overhead bridge, Route 121, Sect. 105-V-B, Tazewell Co.—125 ft. rein.-con. substructure, four 50 ft. R.C.G. approach spans, one 28 ft. R.C.S., Route 128, Sect. 101-B, and 125 ft. steel superstructure, Sect. 101-C, Shelby Co.—one 100 ft. rein.-con. substructure, nineteen 37½ ft. steel beam approach spans on four 20 ft. and one 26 ft. rein.-con. piling piers, three 30 ft. R.C.S., two 40 ft. R.C.G., one 45 ft. and three 10 ft. rein.-con. box culverts, Route 140, Sect. 105-B, and 100 ft. steel superstructure, on Sect. C, White Co.—one 100 ft. rein.-con. substructure, four 50 ft. girder approach spans, Route 142, Sect. 101-B, and 100 ft. steel superstructure on Sect. C, Effingham Co.—two 170 ft. span rein.-con. substructure, two 50 ft. R.C.G. approach spans, one 70 ft. rein.-con. substructure, two 50 ft. R.C.G. approach spans, Route 148, Sect. 129-B, one 70 ft. and two 170 ft. span steel superstructure, Sect. C, Williamson Co.—four 29 ft. span R.C.S., overhead bridge, Route 160, Sect. 133-V-B, one 34 ft. and two 47 ft. R.C.G. overhead railroad bridge, Sect. 133-V-B, one 34 ft. and two 47 ft. span R.C.G. railroad overhead bridge, Sect. 134-V-B, one 34 ft. and two 36 ft. span R.C.G. overhead bridge, Sect. 135-V-B, Madison Co.—one 70 ft. rein.-con. substructure, Route 166, Sect. 101-B, and one 70 ft. steel superstructure, Sect. 101-C, Williamson Co. F. T. Sheets, ch. hy. engr.

Wis., Fulton (mail Edgerton)—July 12, by State Hy. Comn., City Hall, Edgerton, four 120 ft. riveted truss type bridge on 3 rein.-con. piers and 2 rein.-con. abutments over Rock River, State Trunk Hy. 59, Rock Co. C. H. Kirch, bridge engr.

Iowa — July 10, by State Hy. Comn., Ames, 50 x 20 ft. pony truss bridge, raising 24 x 24 ft. slab bridge, adding 24 x 24 ft. span, also 40 culverts, extensions, on U. S. Hy. 69, B-588, Decatur Co.—90 x 20 ft. skew pony truss bridge with two 40 x 20 ft 1-beam approaches, one 140 x 20 ft. high truss bridge with two 40 x 20 ft. 1-beam approaches, two 32 x 20 ft. and one 40 x 20 ft. 1-beam bridges on Maquoketa-Sabula Rd., B-532Jackson Co. 75 x 20 ft. plate girder bridge with four 40 x 20 ft. concrete girder approach spans on U. S. Rd. 75, B-105 Plymouth Co.—10 culverts, on Primary Rd. 19, B-565 Clayton Co.—4 culverts on U. S. Rd. 161, F. A. B. 17, Dubuque Co. R. F. White, hy. comr.

Kan., Iola—July 26, by Clerk Allen Co., 2 concrete slab spans, Project 54-36-FA-367-E.

Missouri—July 6, by State Hy. Comn., Jefferson City, bridges on 9 projects in Benton, Bollinger, Holt, Iron, Jasper, New Madrid, Nodaway and St. Francois Counties. T. H. Cutler, ch. engr. Noted June 21.

Arizona—See "Streets and Roads."

Calif., Bowman—July 11, by C. H. Purcell, hy. engr., Sacramento, 2 overhead crossings, incl one 46 ft. and two 40 ft. spans, other one 46 ft., one 38 ft. and one 28 ft., span, both rein.-con. girder type, near here, Placer Co. $30,000.

Bids Received

Pa., Treveskyn — Comrs. Allegheny Co., Pittsburgh, rein.-con., steel bridge, from J. W. Hansen, Wabash Bldg., Pittsburgh, $24,524. Est. $29,000.

North Carolina—State Hy. Comn., Raleigh, June 19, rein.-con. bridges, culverts on Project 5010, Alamance Co., from T. A. Loving, Goldsboro, $26,804—Project 3360, Cumberland Co., from Kiker & Yount, Reidsville, $43,396—Project 621, Cabarrus Co., from E. A. Wood Constr. Co., Andrews, $35,345—Project 6502 A and C, Mecklenburg Co., from Hester & Slack, Greensboro, $36,359—Project 179, Perquimaus Co., from J. S. Bowers, Whiteville, $150,089. Noted June 14.

South Carolina—State Hy. Dpt., Columbia **(S.P. means State Project and F.A.P. Federal Aid Project)**, 2 treated timber bridges on Route 64, S. P. 644 A and B, Barnwell and Bamberg Counties, and treated timber bridge over Salkehatchie River, Route 24, S. P. 589-F, from Palmer Constr. Co., Florence, $5,150 and $4,394 respectively—rein.-con., bridge on U. S. Route 29, F.A.P. 289-A, Cherokee Co., from Gaulden Bros., Spartanburg, $9,640—rein.-con. bridge over Saluda River on Route 391, S. P. 706, Saluda and Newberry Counties, from R. G. Kennedy, Batesburg, $74,991—2 rein.-con. bridges on Route 10, S. P. 633-A, Spartanburg Co., from P. S. Minus, Spartanburg, $27,906.

O., Cincinnati—Hamilton Co., Court House, 3 span 80 ft. concrete, steel I-beam bridge, on Montgomery Rd., from United Constr. Co., 408 Lyric Bldg., $29,064. Est. $34,248. Noted Mar. 8.

Tex., Conroe—G. Gilchrist, hy. engr., Austin, timber pile bridge on Hy. 105, Montgomery Co., to Hannah Constr. Co., Box 994, Waco, for Hy. Comn., R. Sterling, chn. $39,752. Est. $45,000. Noted June 14.

California — State Hy. Comn., Sacramento, June 20, four 30 ft. span rein.-con. girder bridge over Truckee River, near Tahoe City, from P. M. White, Santa Monica, $23,988, est. $28,470—rein.-con. girder bridge on concrete piers over Southern Pacific R.R., near Wiemer, from Butte Constr. Co., San Francisco, $25,546 both in Placer Co. Noted June 7.

Contracts Awarded

Maine — Hy. Comn., Augusta, Handley Bridge in Hope, to V. E. Dunn, Augusta, $4,285—Cookson Bridge in Windsor, to G. W. Crane, Waterville, $13,230—Manter and Conforth Bridges in Industry, to C. E. Keene, Madison, $3,962 and $5,555 respectively—Piscataquis Bridge in Howland, to E. Cyr, Waterville, $44,732—Hiram Bridge in Auburn, to Cyr Bros., Waterville, $55,-147—Crystal Spring Bridge in Auburn, to E. A. Noyes, Orono, $18,729—Dennison Street Bridge in Auburn, to Stewart & Williams, Augusta, $9,497. Grand total $155,137. Noted June 14.

Vermont—Hy. Dpt., Montpelier, 1 bridge in Royalton, to H. S. Knight, South Royalton, $18,915—3 in Groton, to General Constr. Serv. Co., St. Albans, $30,284—4 in Randolph, to New England Constr. Co., Springfield, Mass., $45,889—5 in Starksboro, to Sargent & Norton, Bristol, $27,484. Grand total $122,572. Noted June 21.

Mass., Hudson—Town, E. Morgan, supt. streets, 2 one span concrete bridges, Maguire and Cox Sts., day labor. $25,000.

New Jersey—State Hy. Comn., Trenton, bridge across Matawan Creek, Monmouth Co., to Kolyn Constr. Co., Commonwealth Bldg., Trenton, $76,990. Noted June 7.

N. J., Millburn—Essex Co., Newark, plate girder encased in concrete bridge over Canoe Brook, on Parsonage Hill Rd., to Watchung Constr. Co., South 2nd St., Plainfield, $30,422. Noted June 28.

N. J., Roselle (Ind. br. Elizabeth)—Union Co., Court House, Elizabeth, steel, concrete bridge, on East Walnut St., Sheridan and 6th Aves., to Halsey & McCowatt, Westfield, $86,728.

Pa., Beaver—Comrs. Beaver Co., Court House, Sharron Bridge, incl. repaving roadway, to Penn Bridge Co., College Hill, Beaver Falls. Est. $25,000.

Pa., Duquesne—R. C. Woodside, controller Allegheny Co., Court House, Pittsburgh, Duquesne Bridge 1 over Thompson Run, to Pitt Constr. Co., Empire Bldg., Pittsburgh, $165,559. Noted June 7.

Delaware—State Hy. Dpt., Dover, rolling bascule bridge, Contr. 91, to A. S. Fox, 24 North Canal St., Dayton, O., $50,326. Noted May 31.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, 3 bridges, Knox Co., to Clark & Minnix, Flora, $41,415—2 bridges, Knox Co., to W. H. Rupert, Brazil, $19,-250—2 bridges, Jay Co., to Burk Constr. Co., New Castle, $21,131—2 bridges, Spencer Co., to A. G. Ryan Co., Chrisney, $15,046—bridge in Monroe Co., to Vincennes Bridge Co., Vincennes, $9,469. Grand total $106,-311. Noted May 24.

Mich., Ann Arbor—Steel, concrete viaduct over Michigan Central R.R., on Bway., to Ferguson & Edmonson, Keystone Bldg., Pittsburgh, Pa., $147,993. Est. $250,000. Noted Jan. 26.

Mich., Mt. Clemens—Macomb Co., Court House, two 45 ft. span steel truss bridge over Salt River, on Jefferson Ave., to R. B. Jackson Co., Jackson; steel, to American Bridge Co., 1328 Buhl Bldg., Detroit. Est. $34,000. Noted June 7.

Illinois and Missouri—Quincy Memorial Bridge Co., Quincy, Ill., rein.-con., steel bridge across Mississippi River from Quincy, Ill. to Marion Co. Mo., to Kelly Atkinson Constr. Co., 189 West Madison St., Chicago, Ill. Est. $1,250,000.

Wisconsin and Michigan — Wisconsin State Hy. Comn., and F. F. Roger, comr. Hy. Dpt. of Michigan, at City Hall, Marinette, Wis., Interstate Trunk Line Bridge 1 of 55-7-21, Marinette Co., Wis., and Menominee Co., Mich., Contr. 1, to Connolly Constr. Co., 2234 University Ave., St. Paul, Minn., $145,731; Contr. 2, to Wisconsin Bridge & Iron Co., North Milwaukee,

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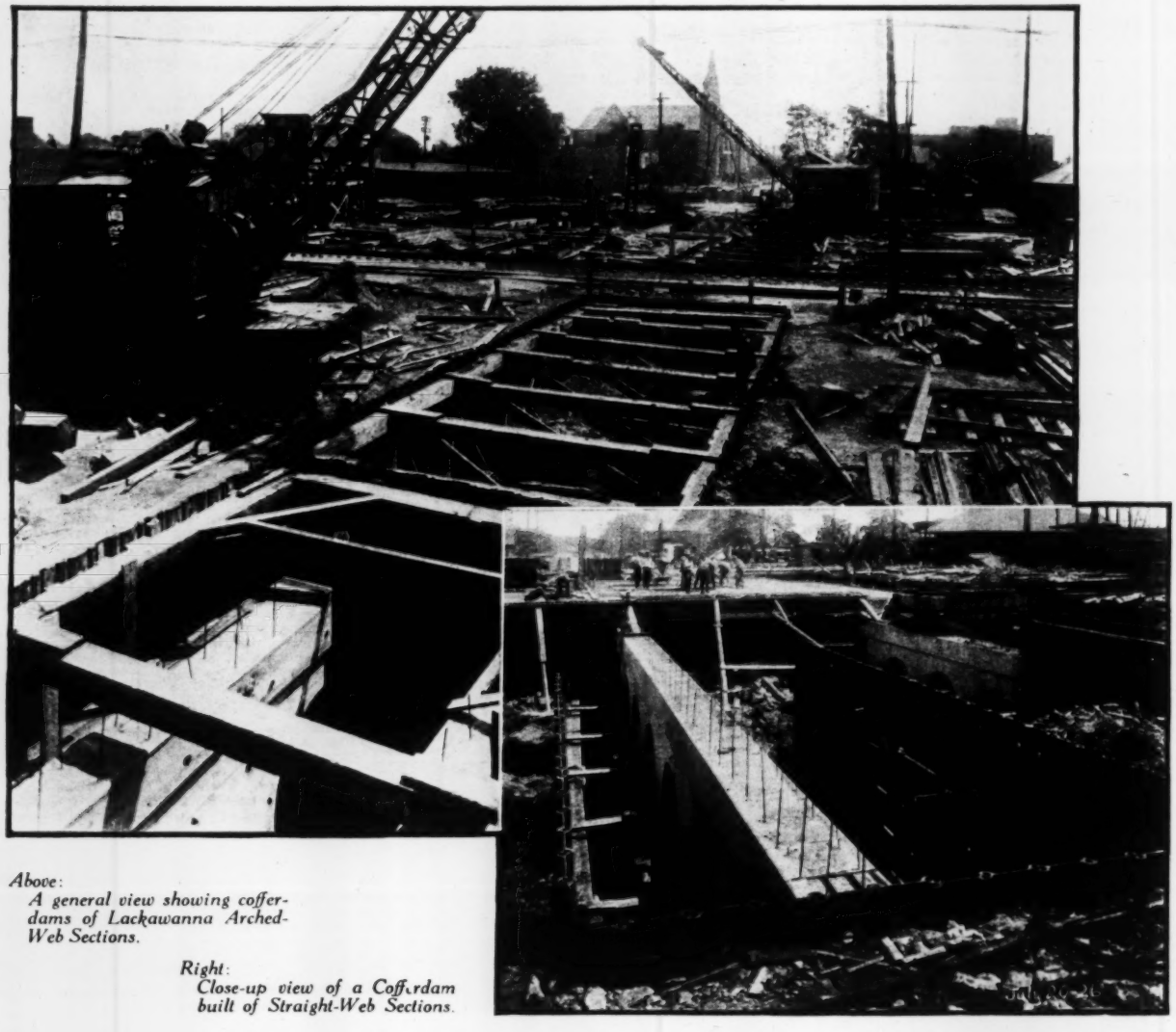

Above:
A general view showing coffer-dams of Lackawanna Arched-Web Sections.

Right:
Close-up view of a Coffrdam built of Straight-Web Sections.

Lackawanna Steel Sheet Piling

Arched- and Straight-Web Sections

used in Cofferdams for elimination of the South Dearborn Road grade crossing in the city of River Rouge, Michigan.

Work under the supervision of the Wayne County Road Commission

BETHLEHEM STEEL COMPANY, *General Offices:* BETHLEHEM, PA.

DISTRICT OFFICES:

New York Boston Philadelphia Baltimore Washington Atlanta Buffalo Pittsburgh Cleveland
Cincinnati Detroit Chicago St. Louis San Francisco Seattle Los Angeles Portland Honolulu

Bethlehem Steel Export Corporation, 25 Broadway, New York City, Sole Exporter of Our Commercial Products

BETHLEHEM

Bridges (Continued)

Wis., $68,378; Contr. 3, to C. R. Meyers & Sons, Oshkosh, Wis., $198,304. Grand total $412,053. Noted May 17.

Tex., New Braunfels—State Hy. Dpt., Austin, 240 ft.—cantilever girder bridge, approaches over Comal River, to Walsh, Burney & Moore, c/o Frost Bank Bldg., San Antonio, $49,729.

Arizona — State Hy. Comn., Phoenix, bridge on Project 79-D, Cochise Co., to C. & F. W. Steffgen, Spreckles Bldg., San Diego, Calif., $59,333.

Dams

Proposed Work

Okla., Ardmore—See "Waterworks."

Railways

Proposed Work

California—Southern Pacific R.R. Co., E. J. Foulds, counsel, 65 Market St., San Francisco, 6.1 mi. new line railroad, Martinez, across Suisun Bay to Goodyear Station in Contra Costa and Solano Counties, Southern Pacific Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, will operate same.

Bids Desired

Missouri — See "Buildings — Commercial under St. Louis."

British Columbia — See "Contracts Awarded."

Contracts Awarded

British Columbia—British Columbia Electric Ry. Co., 425 Carrall St., Vancouver, A. C. Eddy, engr., concrete base for tracks, heavy rails on wood ties, double tracks on Hastings St. from Cordova to Granville St., Pender St. from Granville to Georgia Sts., on Alma Rd. from 10th to 12th Aves. in Vancouver, force account. $92,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., Mandeville—A. E. Manent, mayor, cancelled bids to have been opened June 13, dredging Bayou Castaing. Project postponed indefinitely. Noted June 17.

Bids Desired

Ohio — July 6, by Comrs. Summit Co. (Akron) straightening, widening, deepening, dredging 460,000 cu.yd. Tuscarawas River from Akron to point below Barberton. $80,500. H. G. Sours, Court House, engr.

Illinois — July 16, by Comrs. Clayton-Bennington D. D. of Woodford and Marshall Counties, at office W. Meierhofer, secy., Minonk, 152,000 cu.yd. excav. in main ditch, 20,000 cu.yd. in laterals. O. W. Boers, Lacon, engr.

New Brunswick — July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing breastwork, Fort Dufferin, St. John Co. $25,000.

Ont., Toronto—See "Contracts Awarded."

Bids Received

Mo., Clayton—W. Stoecker, ch. engr. St. Louis Co. D. D. 2-A, Memorial Park Bldg., Webster Groves, June 13, straightening, widening, deepening Cold Water and Fontaine Creeks, from Pioneer Constr. Co., 270 Glover Bldg., Kansas City, $119,016. Noted June 7.

Contracts Awarded

Massachusetts—Metropolitan Dist. Comn., Boston, dredging 10,000 cu.yd. Lechmere Canal and 10,000 cu.yd. in Broad Canal, Charles River Basin, to Bay State Dredging & Contg. Co., East Boston, $12,000.

Mass., Chilmark—Dpt. P. Wks., W. F. Williams, comr., dredging 44,000 cu.yd. to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $18,802. Noted May 17.

W. Va., South Charleston (br. Charleston)—Carbide & Carbon Chemical Corp., 2 mi. levee embankment, 50 ft. wide on top, Blaines Island, incl. 100,000 sq.yd. rip rap, 250,000 cu.yd. floating dredgework, to Ohio River Dredging Co., Huntington. Est. $200,000. Noted Apr. 19.

Minn., Minneapolis—Park Comrs., C. E. Doell, secy., City Hall, 260,000 cu.yd. dredging and fill at Meadowbrook Golf Course, to McKenzie Hague Co., Inc., 422 Corn Exch., at $0.245 per cu.yd. Noted May 17.

Quebec—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Valleyfield and Port Lewis, to Les Chantiers Monseal Ltd., Sorel, $35,000 and $20,000 respectively. Noted May 24.

Ontario—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Kincardine and Lions Head, to W. L. Forrest, Goderich, $15,000 and $20,000 respectively. Noted May 17.

Ont., Sault Ste. Marie—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Saulte Ste. Marie Harbor, to Soo Dredging Co., 604 Queen St. $23,000, and A. B. McLean & Son, Brock St. $15,400.

Ont., Toronto—Canadian Natl. Ry., New Union Station, T. T. Irving, ch. engr., 500 ft. rein.-con. retaining wall, 18 ft. high, to Corbett Constr. Co., 2 Harbor St. Est. $25,000.

Ont., Toronto—Toronto Harbor Comrs., Harbor Bldg., land reclaimation work, incl. 1,500,000 yd. hydraulic fill, day labor. $750,000. J. G. Wainwright, Harbor Bldg., engr.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, rejected bids June 19, bituminous macadam paving 3,290 ft. hy. in Blandford. Will readvertise. Noted June 14.

Mass., Boston—Dpt. P. Wks. reconstructing Greaton, Burwell and Leemington Rds., West Roxbury and Brighton as highways. $25,000. J. H. Sullivan, comr.

Mass., Cambridge (br. Boston)—Improving Ames St. and Lexington Ave. $50,000 appropriated.

Mass., Cambridge (br. Boston)—Improving Bway. from Prospect to Windsor Sts. $35,000.

Mass., Lowell—Dpt. P. Wks., bituminous macadam paving 6,500 ft. Pawtucket St. $65,000. W. F. Williams, comr.

N. J., Cranbury—Middlesex Co. (New Brunswick) 8 in. concrete paving 1 mi. Cranbury-Plainsboro Rd. W. F. Buchanan, Perth Amboy, engr.

N. J., Ft. Lee—Bd. Boro Council, Boro Hall, grading, paving Forest Rd., Virginia and Brinkerhoff Aves. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Stegman Pl. $30,000. C. A. Van Keuren, city engr.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt on concrete repaving Stevens Ave. from Hudson Blvd. to West Side Ave. $50,000. C. A. Van Keuren, city engr.

N. J., Livingston—Twp. Comn., Central School, grading, bituminous penetration paving Old Rd. $25,000. Freeman & Winston, McIntosh Bldg., West Orange, twp. engrs.

N. J., Longport—Plans amiestite paving 2 blocks Atlantic Ave. $45,000.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Municipal Bldg., grading, 2 in. bituminous on 6 in. concrete paving Romaine Ave. $175,000. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Montclair—Bd. City Council, Administration Bldg., concrete sidewalks on Hilltop Pl., Virginia and Harrison Aves., Label, Amelia, Grove and Park Sts. $26,000. Address Town Engineer.

N. J., Newark—Bd. Comrs., City Hall, widening, sheet asphalt on concrete paving Mt. Prospect, Bloomfield and 4th Aves. $210,000. J. W. Costello, City Hall, engr.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., Court House, concrete paving 1 mi. Cranbury-Plainsboro Rd. $75,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

N. J., Nutley (br. Newark)—Bd. Town Council, Town Hall, grading, 7 in. bituminous macadam paving Nutley Ave. $35,000. G. R. Hartley, town engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, curbing, sidewalks, concrete paving Ernest St., Newark, Gliss and Bloomfield Aves. $135,000. G. R. Hartley, town engr.

N. J., Union—Bd. City Council, City Hall, sheet asphalt on concrete paving 24th St. from New York Ave. to West St. and from Summitt Ave. to Hudson Blvd. $30,000. J. Maulbrick, city engr.

N. J., West New York—Bd. City Council, Municipal Bldg., grading, bituminous macadam on concrete repaving Lincoln Pl. from 22nd to 24th Sts. $25,000. F. J. Oleri, city engr.

N. J., Teaneck (mail West Englewood)—Twp. Comn., Municipal Bldg., grading, 6 in. single line concrete paving Bedford Ave. $46,000. P. Fraleigh, Teaneck Rd., and Cedar Lane, twp. engr.

N. J., Union—Bd. City Council, City Hall, curbing, sheet asphalt resurfacing 24th St. from New York Ave. to West St. and 24th St. from Summitt Ave. to Hudson Blvd. $40,000. J. Maulbeck, city engr.

Pa., Pittsburgh—Soon takes bids grading, curbing, paving Ceres Way between Beltzhomer and Emerald Sts., $35,000; repaving Reedsdale St. between Allegheny and Ridge Aves., $49,000.

Pa., Pittsburgh—Soon takes bids grading, curbing, paving, Hillcrest St. between North Aiken and North Fairmont Sts. $33,000. Dpt. P. Wks., City-County **Bldg.**, engrs.

Delaware—State Hy. Dpt., Dover, rejected bids June 19, grading, concrete paving 2.1 mi. Contr. 110. Noted May 31.

Md., Baltimore—Bd. Estimates, City Hall, paving Garrison Blvd. $90,200, 4 additional streets. $51,800.

North Carolina—State Hy. Comn., Raleigh, clearing, grading 7 mi. Project 1400, Halifax Co., $35,000; 8.3 mi. Project 7300, Davie Co., $41,500. L. R. Ames, Raleigh, engr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 15 mi. Benton-Etowah Rd., Polk Co. — 25 mi. Linton-Centerville Rd., Davidson and Hickman Counties. H. F. Berry, comr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, surveys improving 12 mi. Altamont-Palmersville Rd., Grundy Co.—6 mi. Centerville-Wrigley Rd., Hickman Co. H. F. Berry, hy. comr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 3 mi. Glendale-Valdean Rd., Hamilton Co.; 12 mi. Gainesboro-Hillian Rd., Jackson Co. H. F. Berry, hy. comr.

Tenn., Benton—Polk Co. and State Dept. Hys. & P. Wks., Nashville, improving Benton-Parkville Rd. County appropriated $50,000, its share of cost.

Tenn., Springfield — J. R. Adams, city clk., rejected bids June 25, paving Main St. Long & Co., Bennie-Dillon Bldg., Nashville, engrs.

Ind., Anderson—Madison Co., curbing, concrete paving 1½ mi. B. J. Home Rd., 28 ft. $38,000. A. Steele, Anderson, engr.

Ind., Anderson—Madison Co., concrete paving 1½ mi. Raible Ave. and Biddle Rd., $27,000; curbing, concrete paving 1½ mi. 19th St., $32,000, both 30 ft. A. Steele, Anderson, aud.

Mich., Grosse Pointe (br. Detroit) — Wayne Co. Road Comr. (Detroit), widening, double concrete paving Jefferson Ave.

Mich., Port Huron — Concrete curbing, concrete or asphalt paving 31,300 sq.yd. River and Kearney Sts., Center and Electric Aves., 24 to 30 ft. $60,000. D. D. Worcester, City Hall, engr.

Ill., East St. Louis—Bd. Local Impvts. soon takes bids 7 and 8 in. concrete paving 55,110 sq.yd. 14th, 27th, 40th, 44th, 76th, St. Clair and M. L. Harriss Addition Paving Dist. $243,500. W. McK Brown, City Hall, engr.

Ill., Geneseo—Preliminary plans grading, curbing, concrete paving 15 blocks, 27 ft. S. Ogden, Geneseo, engr.

Ill., Monmouth—Grading, curbing, guttering, 7 in. concrete paving 5 blocks North 7th St., East 1st and Boston Aves., 25 ft. $28,416. Kinsey Eng. Co., Pekin, engrs.

Ill., Peoria—Soon takes bids asphalt on brick resurfacing 22 blocks South Washington St., 32 and 44 ft. $96,555. W. E. Backes, City Hall, engr.

Minn., Winona—Paving 33 blocks. $100,000. E. E. Chadwick, city engr.

Kan., Anthony — Harper Co. grading, culverts 8.919 mi. K 44, Federal Aid Project 361-B, 30 ft. H. K. Shideler, Anthony, engr.

Kan., Ashland—Clark Co., grading, bridging 12.2 mi. Rd. K12, 30 ft. T. J. Schall, Court House, engr.

Kan., Burlington—Coffey Co. preliminary plans grading, chat surfacing 6.938 mi. Rd. K12, Project 551, 30 ft. F. Wagner, Court House, engr.

Kan., Ft. Scott—Bourbon Co. soon takes bids bituminous macadam paving, 2 bridges, 4.613 mi. Hy. 73, Federal Aid Project 335-A. H. McCurley, Ft. Scott, engr.

Kan., Fredonia—Wilson Co. preliminary plans grading, bridging 7.379 mi. Rd. K47, Project 557; chat surfacing 0.951 mi. Rd. K96, Project 630. E. C. Baity, Court House, engr.

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Streets and Roads (Continued)

Kan., Garden City — Finney Co. soon takes bids grading 13.3 mi. U.S. Hy. 50-N, Project 568. B. L. Allen, Court House, engr.

Kan., Garnett—Anderson Co. soon takes bids grading 9 mi. Rd. K 6, Federal Aid Project 304, 30 ft. F. T. Bonebrake, Court House, engr.

Kan., Gates Center—Woodson Co. grading, culverts 6.22 mi. Federal Aid Project 367-C. $25,000 or more. H. O. Ashley, co. engr.

N. D., Grand Forks—Paving 15 blocks Paving Dists. 20 and 21. $40,000. E. L. Lium, city engr.

Kan., La Crosse—Rush Co. preliminary plans sand clay surfacing 17.2 mi. Rd. K96, Kansas Project 194. H. R. Miller, Court House, engr.

Kan., Marion—Marion Co. soon takes bids grading 12.5 mi. U.S. Rd. 50-N, Federal Aid Project 173, 30 ft. G. M. Hartsock, Court House, engr.

Kan., Meade—Meade Co., grading, culverts 11.052 mi. Federal Aid Project 406-A, 30 ft. To exceed $25,000. H. L. Gilman, Meade, co. engr.

Kan., Newton—Harvey Co. soon takes bids grading 11.5 mi. U.S. Rd. 50-S, Project 560. R. J. Justice, Court House, engr.

Kan., New Ulysses — Grant Co. soon takes bids sand clay surfacing 9 mi. Project 572, 4 mi. Project 573, and 16 mi. Project 574, 28 ft. C. W. Hickok, Court House, engr.

Kan., Tribune — Greeley Co., grading, culverts 16.019 mi. K. 96, Project 575, 30 ft. H. C. Snodgrass, Tribune, engr.

Kan., Yates Center—Woodson Co. soon takes bids sand surfacing 2.3 mi. U.S. Rd. 54, Project 602, and 6.29 mi. Project 603; grading 6.39 mi. Federal Aid Project 367, 30 ft. H. O. Ashley, Court House, engr.

South Dakota—State Hy. Comn., Pierre, grading 150,000 cu.yd. Hy. 15 from Sioux Falls to point 20 mi. north. $60,000. O. N. Hettle, ch. engr.

Mo., Butler—Preliminary plans grading, curbing, 6 in. concrete paving 7 blocks. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., St. Louis—City Plan Com., widening Arsenal St. between Kingshighway and Jamieson St. $84,310; Bruno Ave. between Manchester Ave. and Benton Terrace $63,996; Canterbury Rd. between River Des Peres Parkway and city limits $11,950; Lee Ave.-Euclid Ave. cut-off $1,000; Manchester Ave. between Kingshighway and McCausland Ave. $467,691; Morganford Rd. between Arsenal St. and city limits $495,202; Vanderventer Ave. between Lucky St. and alley south of Kennerly St. $95,732; Wells Ave.-Hodiamont Ave. cut-off $22,942; Hampton-Billon Ave. between Oakland and Gravois Sts. $205,074; Macklind Ave. between Finkman and Loughborough Sts. $28,025; Sarah Ave.-Easton Ave. cut-off $41,877; 7th St. between Market and Spruce Sts. $310,811; and 20th St. O-Fallon cut-off $51,846; Vandeventer Ave. between Market St. and Washington Ave. $596,015. H. Bartholomew, Municipal Bldg., engr.

Mo., Sikeston — Plans resurfacing North and South Kingshighway. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs.; soon takes bids grading, concrete paving 15,000 sq.yd. state highway through town.

Ark., Parkin—Preliminary plans grading, curbing, paving 12 blocks. $45,000.

Texas—State Hy. Dpt., Austin, grading, bridging 15 mi. hy. Henderson Co., $184,000, S. J. Treadway, Athens, engr.—10.168 mi. Foard Co., $60,000, B. Reese, Crowell, engr. —grading, bridging, surfacing 13,875 mi. Refugio Co., $90,000, R. E. Kilmer, Refugio, resident engr.—concrete paving 16.95 mi. Austin Co., $350,000, H. Schroeter, Bellville, engr.—grading, bridging, concrete paving 7.419 mi. Hudspeth Co., $220,000, F. E. Wilson, El Paso, engr.—grading, drainage, structures 6.418 mi. Wilbarger Co., $35,000. J. B. Nabors, Vernon, engr.

Tex., Halletsville—Lavaca Co. bituminous macadam or concrete paving 8.068 mi. Hy. 72, Federal Aid Project 542. $200,000. W. H. Koether, Yoakum, engr. Noted Mar. 29.

Tex., Lockhart—Caldwell Co., surveys, improving 22 mi. Hys. 80 and 3-A. $250,000 or more. Address M. U. Smith, Lockhart, co. judge.

Tex., Matador—Motley Co., grading, paving 28 mi. Hy. 18, south of here to Dickens Co. line and Hy. 28 across county. $300,000. Address J. F. Jordan, Matador, co. judge.

Tex., Newton — Newton Co. election, $150,000, grading, bridging, asphalt on gravel paving 18 mi. Hy. 45; total $450,000 of which $300,000 to be borne by State and Federal Aid. Address E. A. Lindsey, Newton, co. judge.

Oklahoma — State Hy. Dept., Oklahoma City, concrte paving 102,000 sq.yd. Hy. 33, $220,000 and 12,770 sq.yd. Hy. 40, $27,000,

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Payne Co.—grading 12 mi. Hy. 8, Caddo Co., 30 ft. $40,000. C. R. Mandigo hy. engr.

Oklahoma — State Hy. Dept., Oklahoma City, surveys, concrete slab surfacing 29,000 sq.yd. U. S. Hy. 75, Atoka Co. $60,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans grading, 10 mi. Hy. 44, Garfield Co., 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 8, Comanche Co. 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading 15 mi. Hy. 48, Seminole Co. 30 ft. $60,000. C. R. Mandigo, hy. engr.

Okla., Alva—Grading, 8 in. concrete paving 8,700 sq.yd. Cherokee Ave. $27,760. F. H. Peckham, 132 East 14th St., Oklahoma City, engrs.

Okla., Chandler—Grading sheet asphalt paving 15,400 sq.yd. Lincoln and Logan Aves. $61,338. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Chickasha—Preliminary plans asphalt, sheet resurfacing 36,000 sq.yd. Oklahoma Ave. $75,000. R. O. Bradley, Chickasha, engr.

Okla., El Reno—Preliminary plans sheet asphalt resurfacing 19,000 sq.yd. Bickford Ave. $36,275. E. W. Fassett, El Reno, engr.

Okla., Guthrie — Sheet asphalt resurfacing 31,000 sq.yd. Oklahoma Ave. $61,670. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Hitchcock — Preliminary plans grading, concrete paving 7,400 sq.yd. Main St. $28,000. E. A. Jones, Enid, engr.

Okla., Lawton—Grading, concrete paving 14,700 sq.yd. South Boundary St. $144,275. G. Dale, engr.

Okla., Mangum—Grading, concrete paving 10,600 sq.yd. Dist. 18. $35,110. E. W. Gantt, 1116 West Main St. Oklahoma City, engr.

Okla., Newkirk—Kay Co. grading 3.61 mi. Hardy Rd., 30 ft. $30,000. J. S. Clark, Newkirk, engr.

Okla., Okeene—Grading, concrete paving 8,400 sq.yd. Blaine, Kiowa, and Apache Sts. $29,207. E. A. Jones, Enid, engr.

Okla., Oklahoma City—Grading, concrete paving 7,200 sq.yd. South 27th St. $30,642. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Widening, sheet asphalt paving 11,000 sq.yd. South Robinson Ave. $66,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 7,300 sq.yd. Culbertson Dr., $36,675; grading, concrete paving 9,100 sq.yd. Kelly Ave., $29,400; 4 ft. sidewalks 60 blocks Gatewood adition, $32,000. W. W. Small, City Hall, engr.

Okla., Okmulgee—Grading, concrete paving 8,700 sq.yd. Highland St. $27,482. W. C. Halleck, City Hall, engr.

Okla., Tahlequah — Grading, concrete paving 10,400 sq.yd. Downing St. $30,810. A. Covell, city clk. Engineer not selected.

Okla., Tulsa—Tulsa Co. surveys widening 3 mi. West Tulsa Rd., 12 ft. $40,000. H. A. Parker, Tulsa, co. engr.

Okla., Tulsa—Grading, sheet asphalt paving 8,200 sq. yd. Xanthus Ave. $31,660. B. M. Hart, City Hall, engr.

Okla., Tulsa — Widening, curbing, sheet asphalt paving 8,200 sq.yd. 6th St., $41,710; grading, paving 9,300 sq.yd. Birmingham St., $37,377. B. M. Hart, City Hall, engr.

Okla., Watonga—Blaine Co. preliminary plans grading 11 mi. Okeene-Loyal Rd., 30 ft. $45,000. C. W. Simonds, Watonga, engr.

Okla., Watonga — Grading, paving 10 blocks Bickford and Arapho Sts., 30 ft. $34,273.

Okla., Woodward—Grading, concrete paving 12,000 sq.yd. 10th St. $36,370. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Yukon—Grading, concrete paving 7,650 sq.yd. Dist. 4. $28,177. C. A. Wood, Stillwater, engr.

California—State Hy Comn., Sacramento, grading 806,000 cu.yd. road between San Francisco city limits and South San Francisco, San Mateo Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Laguna Beach — Asphaltic concrete paving 1st, 2nd and 3rd Sts. To exceed $25,000. A. J. Stead, city engr.

Calif., Oakland—Grading, curbing, guttering, paving Excelsior Ave. Hopkins St. To exceed $75,000. G. N. Randle, city engr.

Calif., San Francisco—Grading, walks, concrete, asphaltic concrete paving 11,720 cu.yd. Girard St. $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Grading, sidewalks, initial paving 1.8 mi. Junipero Serra Blvd. $500,000. M. M. O'Shaughnessy, city engr.

Calif., Southgate — Concrete curbing, walks, street lighting, Deeble and Dearborn Aves. To exceed $25,000.

Ontario—Town of Sudbury and International Nickel Co.-Cuppercliffe Mond Nickel Co., macadam or gravel paving 3 mi. road between Sudbury and Frood. $25,000. F. C. Lane, Town Hall, Sudbury, engr.

Ontario — Dpt. Northern Development, Parliament Bldgs., Toronto, claering, grading, clay, gravel, paving 16.8 mi. road between Smooth Rock Falls and Driftwood. $100,000. C. H. Fullerton, Parliament Bldgs., Toronto, engr.

Ont., Fonthill—Concrete curbing, guttering, bituminous paving 16,000 sq.yd. Canboro and South Pelham Rds. $50,000. Ontario Eng. Co., Queen St., Fort Erie, engrs.

Ont., Haileybury—Concrete curbing, guttering, asphalt, concrete, bitulithic or macadam paving 1½ mi. Main St., Lake Shore Rd., Rorke and Ferguson Aves. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Orangeville—Concrete curbing, guttering, concrete, asphalt or bitulithic on concrete paving 3 mi. $150,000. Engineer not selected.

Ont., Oshawa—Concrete curbing, guttering, sidewalks, sheet asphalt paving 45,000 sq.yd. streets. $225,000. W. C. Smith, Municipal Offices, engr.

Ont., Peterborough — Concrete curbing, guttering, asphalt and concrete paving 10,000 sq.yd. $40,000. R. H. Parsons, Municipal Offices, engr.

Ont., Stratford — Concrete, asphalt or bitulithic paving Caledonia St., Ballantyne and Avondale Aves., $23,425; macadam paving Albert, Crooks and Brunswick Sts., $24,335. Est. $25,000. Work will probably be done by day labor. A. B. Manson, City Hall, engr.

Ont., Toronto—York Twp. concrete, asphalt or bitulithic paving 4,000 sq.yd. Bexley Crescent. $25,703. F. B. Goedike, 40 Jarves St., engr.

Ont., Walkerville—Soon takes bids concrete curbing, guttering, concrete, asphalt or bitulithic paving 1 mi. 4 avenues. $35,000. H. W. Paterson, Walkerville, engr.

Ont., Walkerville — Concrete paving 4 roads. $60,000. A. Patterson, City Hall, engr.

Bids Desired

Maine—July 10, by State Hy. Dpt., Augusta, bituminous macadam paving 2.61 mi. highway in Fort Fairfield and Presque Isle—gravel paving 8.5 mi. Strong, Dixfield, Abbot and Perry—concrete paving 7.63 mi. Hamden, Scarboro and Falmouth—concrete or bituminous macadam paving 3.89 mi. Saco and Scarboro. L. D. Barrows, ch. engr.

New Hampshire—July 13, by State Hy. Dpt., Concord, 6 in. one course—rein.-con. on earth fill paving 18,226 sq.yd. hy. in Tamworth, $67,000—3 in. bituminous macadam on 8 in. gravel paving 1.601 mi. Center—Harbor, $47,000—6 in. one course concrete on 8 in. gravel paving 21,082 sq.yd. Claremont, $73,000—3 in. on 6 in. gravel paving 1.29 mi. Belmont, $2,800. J. H. Noble, hy. engr.

Massachusetts—July 10, by Dpt. P. Wks., Boston, bituminous macadam paving 59,781 ft. in Groveland, Florida. Newburyport, Brimfield, Monson, Blanford — rein.-con. paving 3,300 ft. in Littleton and Palmer—bituminous concrete paving 6,675 ft. in Harwich—bituminous macadam or rein.-con. and bituminous macadam paving 18,544 ft. Dartmouth and Westport—gravel and bituminous macadam paving 3,150 ft. Blackstone. W. F. Williams, comr.

Mass., Boston—July 6, by Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt or bitulithic paving Arlington St. Ward 5. $25,000.

Mass., Longmeadow (mail Springfield)—July 16, by Bd. Selectmen, 417 Longmeadow St., constructing 5,054 lin.ft. road Durkee, White & Towne, 7 Hampden St., Springfield, engrs.; adv. E. N.-R. July 5.

N. Y., Brooklyn—July 11, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Alabama Ave., East 43rd and West 4th Sts.; grading, curbing, bituminous macadam paving West 5th St.; grading, sheet asphalt on 6 in. concrete paving Empire Blvd., Dahill Rd., Avenue T, 9th Ave. East 18th, East 39th, East 43rd, West 4th, West 10th, West 11th, 58th and 63rd Sts.; grading, flagging Milord St.

N. Y., Long Island City — July 9, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading Addison Pl. and 112th Sts.; sidewalks 118th (Church) St.; grading, sheet asphalt on concrete paving Edgemore and Griffith Aves., 112th, 118th (Church) Sts.; grading, curbing, granite block on concrete paving North Jane St. constructing bulkhead on Brookville Blvd. (Fosters Meadow Rd.)

Streets and Roads (Continued)

N. Y., New York—July 9, by J. Miller, pres. Manhattan Boro. Municipal Bldg., sheet asphalt on concrete paving 8th St.; grading, curbing, asphalt block on concrete paving Payson Ave.; granite block on concrete paving Beak and Staff Sts.

N. Y., New York—July 11, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete on concrete paving Lacombe Ave. and East 212th St.; grading, curbing, sidewalks, sheet asphalt on concrete paving Victor and East 181st Sts., Boynton, Leland, Barnes and Gleason Aves.

N. Y., New York—July 12, by J. Miller, pres., Manhattan Boro, Municipal Bldg., grading, granite block on concrete repaving Spring, Beach, Mail and 207th Sts.; grading, curbing, sheet asphalt paving Dongan Pl., Arden and Isham Sts.

N. Y., St. George — July 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, bituminous concrete paving Henderson Ave.

N. J., Bergenfield—July 9, by Bd. City Council, Municipal Bldg., grading, curbing, 6 in. rein.-con. paving Coleman St., Pelham and Linden Pls. $25,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Freehold—July 18, by Bd. Freeholders Monmouth Co., Court House, rein.-con. repaving 2.76 mi. Red Bank-Holmdel Rd., 44, Sect. 3. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. July 5.

N. J., Hillside (br. Newark)—July 11, by Twp. Com., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete paving Irvington Ave. from North Ave. to Elizabeth City line. $25,000. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Woodbury—July 16, by Bd. Freeholders Gloucester Co., Court House, rein.-con. paving 55,966 sq.yd. Mullica Hill-Pitman Rd. W. C. Cattell, Woodbury, co. engr.; adv. E. N.-R. July 5.

Pa., Ben Avon Heights (mail Pittsburgh)—July 12, by P. W. Root, boro secy., Banbury Lane, Pittsburgh, grading, curbing, paving. Blum, Weldin & Co., 417 Grant St., Pittsburgh, engrs.

Pa., Burgettstown—July 17, by C. W. Davidson, secy. Boro Council, grading, curbing, rein.-con. paving 7,869 sq.yd. Center and Church Aves., High, Frederick and Kerr Sts. I. E. Stone, Wierton, W. Va., boro engr.

Pa., Stockdale—July 16, by Boro Council, R. Maxon, secy., grading, concrete paving 8,800 sq.yd. Bow, Chestnut, Railroad and Locust Sts. McDonald & Bigler, Municipal Bldg., Charleroi, boro engr.

Delaware—July 24, by State Hy. Dpt., Dover, grading, concrete paving (slag aggregate), 2.21 mi. Contr. 110—2.73 mi. Contr. 111—3.661 mi. Contr. CS 64—Broadkill Bridge, Contr. 53D—2,200 lin.ft. woven wire guard rail erection, Contr. 24-D; adv. E. N.-R., July 5.

Maryland—July 10, by State Roads Comn., Baltimore, hot and cold bituminous resurfacing 0.4 mi. Contr. P-21-B, Prince George Co.—concrete shoulders on 2.32 mi. Contr. C1-5-A, Carroll Co.—2.05 mi. Contr. H-2-B, Harford Co.—concrete shoulders, concrete paving 4.48 mi. Contr. 48-C, Allegany Co.—concrete shoulders 1.93 mi. Contr. W-57, Washington Co.—graveling 2 mi. Contr. Sm-42, St. Marys Co.—concrete paving 4.7 mi. Contr. AA-59, Anne Arundel Co.—penetration macadam resurfacing 2 mi. Contr. M-113, Montgomery Co. J. N. Mackall, chn.

Maryland — July 17, by State Roads Comn., Baltimore, concrete paving 1 mi. Contr. M-98—0.89 mi. Contr. M-89—penetration macadam paving 2 mi. Contr. M-102—2 mi. Contr. M-96, all in Montgomery Co. J. N. Mackall, chn.

Md., Baltimore—July 11, by Bd. Awards, concrete paving 17,700 sq.yd. Contr. 470; sheet asphalt paving 22,500 sq.yd. Contr. 471. N. L. Smith, Municipal Office Bldg., hys. engr.

Virginia—July 17, by State Hy. Comn., Richmond, improving roads on Projects F-259-D-C, S-410-A-C, S-464-D,E,S,B-2 and S-524; bridges on Projects S-206-B-1, F-259-B-E and F-259-B-4; adv. E. N.-R., July 5.

W. Va., New Martinsville—July 14, by Wetzel County Court, grading, alternate types surfacing 3.1 mi. Proctor Dist. Bond Project 1.4 mi. Project 3390-A; Projects 1 and 4, Magnolia Dist.; 2 sections Smithfield-Marion Co. line Rd., Grant Dist. G. A. Harman, clk.

W. Va., New Martinsville — July 21, by Wetzel Co. Court, G. A. Harman, clk., surfacing 2½ mi. Project 3-A, and 3 mi. Project 3-B.

Ala., Birmingham — July 24, by City Comn., 2 in. asphalt on 6 in. concrete paving 1 block Georgia Rd. $3,015, 5 blocks 4th Terrace W. $20,000, 2 blocks Avenue P $9,400; cement sidewalks, concrete curbing, guttering, 2 in. asphalt on 6 in. concrete paving 9 blocks Rugby Ave. 81st Pl. S. $48,000. 2 blocks 2nd Ave. S. $13,600, 200 ft. 7th Ave. S. $3,015; and 1 block 21st St., Ensley $5,800. A. J. Hawkins, city engr.

La., Mandeville — Taking bids grading, asphalt paving 8,000 ft. Lake St. A. E. Manent, mayor.

O., Akron—July 13, by Comrs. Summit Co., grading, traffic bound or slag or limestone paving 1.9 mi. Gillie Rd., 18 ft. $25,000.

Illinois—July 18, by State Dpt. P. Wks. & Buildings, Div. Hys. Springfield, concrete, vitr. brick or bituminous concrete with or without binder course paving 0.72 mi. Route 3, Sect. 85 Schuyler Co.—1.1 mi. Route 7, Sect. E-1, La Salle Co.—0.75 mi. Routes 7 and 29, Sects. R-4-G, Bureau Co.—0.47 mi. Route 9, Sect. 24-G, and 1.45 mi. 25-G, Hancock Co.—0.65 mi. Route 9, Sect. 38-G and 1 mi. 39-G, Fulton Co.—1.52 mi. Route 13, Sect. 15-X and 0.61 mi. Sect. 16-X, Perry Co.—0.5 mi. Route 19, Sect. 25-X and 0.25 mi. Route 20, Sect. 14-X, McHenry Co.—0.84 mi. Route 24, Sect. 11-G, Tazewell Co.—0.45 mi. Route 25, Sect. 22-X, Douglas Co.—8.1 mi. Route 47, Sect. 125, Livingston and Ford Counties—11.67 mi. Route 48, Sect. 128 Macon Co.—6 mi. Route 49, Sect. 144 Cook Co.—8.1 mi. Route 49, Sect. 138, Cook Co.—11.9 mi. Route 71, Sect. 116, De Kalb Co.—6.7 mi. Route 72, Sect. 120, Ogle Co.—6.54 mi. Route 75, Sect. 115, Winnebago Co.—7.76 mi. Route 76, Sect. 115, Whiteside and Henry Counties—5.7 mi. Route 78, Sect. 128, Stark Co.—4.6 mi. Route 78, Sect. 129, Starke and Peoria Counties—6.09 mi. Route 80, Sect. 123, Knox and Henry Counties—5.1 mi. Route 113, Sect. 113, Will and Grundy Counties—6.3 mi. Route 116, Sect. 120, Iroquois Co.—10.79 mi. Route 128, Sect. 101, Shelby Co.—6.33 mi. Route 142, Sect. 102, Effingham Co. 5 mi. Route 148, Sect. 129, Franklin and Williamson Counties—2.67 mi. Route 151, Sect. 110-X, Randolph Co.—6.76 mi. Route 173, Sect. 133, HcHenry Co.—grading 0.5 mi. Route 24, Sect. J-S, Tazewell Co.—4.8 mi. Route 47, Sect. 123-A, Livingston Co.—0.55 mi. Route 48, Sect. 127-A, Macon Co.—9.62 mi. Route 110-A and 9.3 mi. Route 75, Sect. 111-A, Stephenson Co.—2.16 mi. Route 94, Sect. 112-A, Hancock Co.—9.46 mi. Route 140, Sect. 105-A, White Co.—5.26 mi. Route 142, Sect. 101-A Effingham Co.—1.5 mi. Route 148, Sect. 129-A, Williamson and Effingham Counties—0.28 mi. Route 149, Sect. 105-A, Franklin Co.—3.83 mi. Route 150, Sect. 118-A, Randolph Co.—9.6 mi. Route 166, Sect. 101-A, Williamson and Johnson Counties. F. T. Sheets, ch. hy. engr.

Ill., Estherville—July 11, by Bd. Trustees Jack Creek Twp., at office Auditor Emmet Co., graveling 6 mi. Emmet-Kossuth Co. Hy.; grading 5 mi. F. A. Macdonald, Estherville, co. engr.

Wisconsin—July 10, by State and Grant Co. Hy. Comns., Court House, Lancaster, grading, 20 ft. concrete paving 1.726 mi. Federal Aid Project 209, Dubuque-Platteville Rd., U. S. Hy. 61. T. W. Reilly, div. engr.

Iowa—July 10, by State Hy. Comn., Ames, grading, paving, culverts, 35,284 sq. yd. U. S. Rd. 61, incl. 13 flumes, F. A. 17, Dubuque Co.—227,882 sq.yd. Rds. 9 and 59 incl. 23 flumes, P. 590, Howard Co.—50,222 sq.yd. U. S. Rd. 65, P-596, Warren Co.—graveling 20 mi. Rd. 27, P-39 and F-192, Plymouth Co.—1.36 mi. Logan Rd., F-14, Harrison Co.—grading 24,422 mi. Maquoketa Rd., P-532-A and C, Jackson Co.—9.723 mi. Rd. 32, P-577-A, Pottawattamie Co.—3,175 ft. cable guard rail and 30 anchors, Rds. 15 and 60, P-79, A and C, 1,925 ft. cable guard rail, 16 anchors on Rd. 20, P-254, Hamilton Co.—5,200 ft. guard rail, U. S. Rd. 61, F. A. 301, Des Moines Co. R. F. White, hy. engr.

Ia., Dysart—Bids about July 24, rein.-con. paving 8 blocks, 24 and 50 ft. $29,000. D. F. Harrington town clk.

Ia., Primghar—July 12, at office Auditor O'Brien Co., graveling 11 mi. Sheldon-Marcus Rd.; 4 mi. Caledonia Twp. Rd. W. L. Anderson, Primghar, co. engr.

Minnesota—July 17, by State Hy. Comn., St. Paul (**S.P. means State Project**), graveling 30,900 cu.yd. S.P. 12-25—36,800 cu.yd. S.P. 40-21, Sect. 2—23,400 cu.yd. S.P. 50-21—27,700 cu.yd. S.P. 62-21—and 21,000 cu.yd. S.P. 63-22, Div. 6.

Kan., Garden City—July 13, by Clerk Finney Co., sand gravel surfacing 17.414 mi. Projects 22-8-K 26 and 22-9- K 27. Noted June 28.

Kan., St. Johns—July 31, by Clerk Stafford Co., grading, culverts, sand gravel surfacing 5.303 mi. U.S. 50S, Project 566, 30 ft. J. Starke, St. Johns, engr.

N. D., Grand Forks—July 11, by C. J. Evanson, city aud., concrete, asphaltic concrete, bitulithic or vibrolithic concrete paving 32,000 sq.yd. Cherry and Oak Sts. $85,000. E. L. Lium, city engr.

Missouri—July 6, by State Hy. Comn., Jefferson City, grading, graveling, concrete paving 20 projects in Benton, Bollinger, Holt, Iron, Jasper, Monroe, New Madrid, Nodaway, Pemiscott, Phelps, St. Francois and Stoddard Counties. T. H. Cutler, ch. engr.

Tex., Ft. Stockton — July 17, by R. D. Bloydes, mayor, brick, vibrolithic of asphalt paving 17,460 sq.yd. $60,000. Montgomery & Ward, Wichita Falls, consult. engrs. Noted May 10.

Okla., Chickasha — July 12, by C. A. Chinchall, city clk., grading, concrete paving 42,700 sq.yd. $127,000. R. O. Bradley, Chickasha, engr.

Okla., Seminole—July 10, by P. Noe, city clk., grading, 7 in. concrete paving 7,000 sq.yd. Douglas, Walnut or Churn Sts. $28,144. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Nevada—July 11, by State Hy. Comn., Carson City, furnishing, applying 274,549 gal. asphaltic fuel oil on crushed rock or gravel on 16.85 mi. Route 2, Sects. C 3, D 1 and D, White Pine Co. S. C. Durkee, hy. engr.

Arizona — July 10, at office State Hy. Comn., Phoenix, grading 21,000 cu.yd., surfacing 3,200 sq.yd., bridging Rice-Springerville Hy., Schedule 1. W. C. Lefebvre, hy. engr.

California—July 18, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 2.1 mi. road between Fortuna and Fernbridge, Humboldt Co.—grading, screened gravel surfacing 12.5 mi. road between Bieber and Adin, Lassen and Modoc Counties—grading road between Indian Springs and Soda Springs, Placer and Nevada Counties—widening 5.1 mi. roadbed between Cherokee Lane and Live Oak, San Joaquin Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., San Francisco—July 11, by Bd. Pub. Wks., grading oil waterbound macadam paving 933,000 sq.yd. Great Hy. between Lincoln Way and Sloat Blvd. $150,000 or more.

Bids Received

Massachusetts—Dpt. Pub. Wks., Boston, June 26, bituminous macadam paving 15,868 ft., hy. in Amherst and Hadley, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $97,256—17,053 ft. Dighton and Taunton, from C. E. Horne, Millbury, $113,171—2,400 ft. Burlington, from Kelsey Constr. Co., 161 Massachusetts Ave., Boston, $8,854—graveling, bituminous macadam paving 6,000 ft. Freetown, from C. E. Horne, Millbury, $13,418. Noted June 21.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving 3.77 mi. Center Line Rd., C.A.T.H. 175, from East Aurora Gravel & Excav. Co., East Aurora, $99,500; 1.42 mi. Transit Rd. extension, Part 2, G.M.S. C.A.T.H. 206, from Meyer & Meyer Corp., 21 Transit Rd., Depew, $66,632.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, June 27, grading, granite block repaving Hyland Blvd., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $48,289. Noted June 21.

N. J., Hillside (br. Elizabeth)—Twp. Com., Town Hall, grading, curbing, sheet asphalt on concrete paving Salem Ave. from Ridgeway Ave to Elizabeth City line, from Loprete Asphalt Co., 423 Amherst St., East Orange, $101,090. Est. $110,000.

N. J., Hillside (br. Elizabeth)—Twp. Com., Municipal Bldg., June 20, from J. F. Chapman & Son, 1439 North Broad St., curbing, sheet asphalt on concrete paving Cram and Ridgeway Aves. $24,663, Harwood Ave. $23,370, Maple Ave. $63,255.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt on concrete repaving Henderson St., from Lettieri & Bellezza Co., 40 Journal Sq., 81.75%, $206,800 appropriation.

N. J., Midland—Twp. Comn., Municipal Bldg., Rochelle Park, June 18, curbing, bituminous macadam paving Collins, East Forest and East Terrace Aves., from Toriello & Sansone Constr. Co., 28 Essex St., Hackensack, $12,071; storm drains in above, from Midland Constr. & Contg. Co., Inc., Rochelle Park, $13,193. Noted June 14.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., June 19, grading, asphalt bound macadam paving Charles St., from Wheil Constr. Co., New Milford Rd., Oradell, $27,219. Noted June 7.

N. J., Trenton—Bd. Freeholders Mercer Co., June 26, paving Washington's Crossing-Bear Tavern Rd., from Union Paving Co., 123 South 21st St., Phila., Pa., $108,000.

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Streets and Roads (Continued)

Maryland—State Roads Comn., Baltimore, June 26, concrete shoulders on 4 mi. Contr. HO-56, Howard Co., from Thomas, Bennett & Hunter, Westminster, $85,270—2 mi. Contr. M-23-A, Montgomery Co., from H. E. Bester, Hagerstown, $13,359—1.7 mi. Contr. AA-7-A, Anne Arundel Co., from I. Gudelsky, Overlea, $8,572—1.7 mi. Contr. 366-A, Cecil Co., from G. A. Atkinson, Port Deposit, $12,524—0.34 mi. Contr. Wo-57, Worcester Co., from Hannemann-Burroughs Co., Salisbury, $2,342—1.38 mi. Contr. Ho-55, Howard Co., from M. J. Grove Lime Co., Lime Kiln, $26,412—penetration macadam paving 1 mi. Contr. M-90, Montgomery Co., from P. E. Russell, Frederick, $30,446 — concrete shoulders, penetration macadam resurfacing 1.08 mi. Contr. B-91, Baltimore Co., from H. T. Campbell & Sons, Towson, $25,756. Noted June 14.

North Carolina—State Hy. Comn., Raleigh, June 19, from N. L. Teer, Durham, grading, topsoiling 8.96 mi. Project 621, Cabarrus Co. $59,680; 9 mi. Project 807, Avery Co., $105,519; 5.79 mi. Project 6502 A and C, Mecklenburg Co., $35,733—from W. E. Graham, Mt. Ulla, 3.8 mi. Project 709, Alleghany Co., $80,190, 5.04 mi. Project 7590, Surry Co., $55,514—from W. C. Carter, Mebane, 11.78 mi. Project 6911, Union Co., $59,334—from C. A. Ragland, Louisburg, 6.68 mi. Project 1660, Northampton Co., $44,399—from Beal Bros., Bear Creek, 4.02 mi. Project 3360, Cumberland Co., $25,622—from Hudson & Scruggs, Wilmington, grading, concrete or asphaltic concrete paving 15.15 mi. Project 3350, Columbus Co., $199,613—from F. J. McGuire, Norfolk, Va., 5.5 mi. Project 2710, Sampson Co., $104,433 — from Gregory & Weisiger, Pittsboro, 4.26 mi. Project 4300, Granville Co., $89,173—from W. F. Bowe, Jr., 541 Broad St., Augusta, Ga., 3.22 mi. Project 468 Person Co., $83,995—from R. C. Stevens, Asheville, 7.71 mi. Project 9001, Buncombe Co., $178,758 — from Powell Paving Co., Winston-Salem, 5.04 mi. Project 7380, Forsyth Co., $102,427 — from Porter & Peck, Orlando, Fla., 17.81 mi. Project 1900, Tyrell Co., $95,710. Noted June 14.

South Carolina—State Hy. Dpt., Columbia (**F.A.P. means Federal Aid Project and S.P. State Project**), June 27, paving 11.3 mi. U. S. Route 1, F.A.P. 37-A, Aiken Co., from F. J. McGuire, Durham, N. C., $260,-592—4.3 mi. Route 78, F.A.P. 290, Aiken Co., from Concrete Constr. Co., Columbia, $89,697—1.5 mi. U. S. Route 17, F.A.P. 288-C, Beaufort Co., from Coastal Constr. Co., Florence, $37,113—0.831 mi. Route 2, F.A.P. 28-E, Oconee Co., from Claussen-Lawrence Constr Co., Augusta, Ga. $24,102—11 mi. Route 2, S.P. 683, Chester Co., from B. H. Martin, Easley, $277,620—3.6 mi. Route 176, S.P. 702, Union Co., from Ziegler Bros., Greensboro, N. C., $104,686—4.5 mi. Route 2, F.A.P. 64, reopened Lexington Co., from Pennel & Harley, Inc., Spartanburg, $90,741—grading, sand clay surfacing 3.3 mi. Route 35, S.P. 563, Chesterfield Co., from Turner Constr. Co., Florence, $17,484—8.3 mi. Route 39, S.P. 585-A, Barnwell Co., from J. F. Cleckley, Cope, $27,883—10.6 mi. Route 64, S.P. 644-A and B, Barnwell and Bamberg Counties, and 13.07 mi. Route 24, S.P. 589-F, Bamberg Co., from Franklin Constr. Co., Apalachicola, Fla., $38,831 and $48,-876 respectively—grading, topsoiling 11.2 mi. Route 284, S.P. 667, Greenville Co., and 8.2 mi. Route 7, F.A.P. 235-G, Chester Co., from Brooks-Calloway Co., McGlawn-Brown Bldg., Atlanta, Ga., $82,619 and $67,791 respectively—2.7 mi. Route 215, S.P. 646-C, Chester Co., from Ruff Constr. Co., Columbia, $22,667—gravel surfacing 3.2 mi. U. S. Route 17, S.P. 591-B, Charleston Co., from Roberts & Johnson, Jacksonboro, $17,625—marl and sand clay surfacing 4.7 mi. Route 46, S.P. 710, Berkeley Co., from Conard Constr. Co., Florence, $25,904—surface treating 50.69 mi. Routes 3, 78 and 37, F.A.P. 204-72-117-151-139 and 169, Barnwell Co., from C. G. Fuller, Dover, O., $375,530. Noted June 14.

O., Cleveland—Cuyahoga Co., grading, curbing, guttering, concrete paving 3.71 sq.yd. McCracken Rd. 3, from Highway Constr. Co., Guarantee Title Bldg., $20,422; paving 21,500 sq.yd. Chardon Rd. 4, from Gould & Maybach, 16311 Saranec Rd., sheet asphalt $67,467, asphaltic concrete $60,040. Noted June 28.

Mo., St. Louis—Bd. P. Serv., City Hall, June 19, from Perkinson Bros. Constr. Co., 3237 Carter Ave., rein.-con. paving 2,500 sq.yd. Chippewa St. between Grand and Bamberger Sts. $12,565 3,900 sq.yd. Chippewa St. between Gravois and Morganford Aves. $19,038, 1,900 sq.yd. Chippewa St. between Bamberger and Gravois Sts. $9,296; from Skrainka Constr. Co., Security Bldg., 4,260 sq.yd. Lansdowne St. $20,227; from M. L. Flinn Paving Co., 728 South Teresa Ave., asphalt paving 441 sq.yd. McKinley Plaza $24,048, asphaltic concrete paving 2,440 sq.yd. Genevieve St. $15,164, amiesite paving 13,510 sq.yd. Fyler Ave. $76,435, 6,435 sq.yd. Montgomery St. $42,113; from W. A. Riley, 110 North 7th St., rein.-con. paving 1,750 sq.yd. Leona St. $7,025; from Eyerman Contg. Co., 1216 South Grand Blvd., rein.-con. paving 1,700 sq.yd. Oregon St. $12,369; from Central Paving & Constr. Co., 411 North 7th St., warrenite bitulithic paving 2,680 sq.yd. Wren Ave. $17,815; from Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,250 sq.yd. Euclid St. $1,585, and 8,880 sq.yd. Goodfellow St. $26,568. Noted June 7.

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Contracts Awarded

Me., Hermon—Concrete paving 0.36 mi. hy., to Wyman & Simpson, Augusta, $32,-563. Noted June 28.

New Hampshire—State Hy. Dpt., Concord, 3 in. bituminous macadam on 8 in. Field stone paving 1.087 mi. hy. in Exeter, to A. W. Loud, Quincy, Mass., $34,798. Est. $45,000. Noted June 14.

Massachusetts—Dpt. P. Wks., State House, Boston, graveling, bituminous macadam paving 4,472 ft. hy. Rochestr, and 4,200 ft. Holden, to Reynolds Bros., Inc 179 Summer St., Boston, $14,923 and $15,240 respectively—bituminous macadam paving 4,350 ft. Lexington, to M. McDonough, Swampscott, $38,226—3,100 ft. Rehoboth, to G. L. McNeil, North Dighton, $16,992—bituminous concrete paving 4,600 ft. Brewster, to A. W. Jones, Barnstable, $18,534. Grand total $103,915. Noted June 14.

Massachusetts — Dpt. P. Wks., Boston, 7,019 ft., bituminous macadam paving in Amesbury, to F. Lanza & Sons, Pemberton Sq. Bldg., Boston, $156,465.

Mass., Boston — Dpt. P. Wks., sheet asphalt paving Boylston St., to B. E. Grant Co., 100 Floyd St., Roxbury, $35,470. Noted June 14.

Mass., Marblehead—Bd. Selectmen, sheet asphalt paving Nashua St., to O. Meneci, 27 Martineck Ave., Peabody. Est. $25,000. Noted Apr. 12.

Rhode Island—State Bd. P. Roads, Providence, bituminous macadam paving 2.3 mi. Contr. 2,806, Portsmouth, to Callen Constr. Co., Bristol, $78,421. Noted June 14.

Connecticut — State Hy. Dpt., Hartford, rein.-con. paving 5,059 ft. hy. in Ansonia, to D. V. Frione & Co., 505 Grand Ave., New Haven, $40,744—3,153 ft. Waterbury, to Altierei & Petrucconi, Waterbury, $25,060—16,350 t. rein.-con. and 15,840 ft. experimental paving Suffield, to Lane Constr. Corp., 37 Colony St., Meriden, $245,392—macadam paving 3,725 ft. Granby, to P. Suzio & Staff, New Britain, $20,098—bituminous macadam paving 7,756 ft. New Haven, to New Haven Road Constr. Co., New Haven, $32,779—waterbound macadam paving 14,600 ft. Bethlehem, to J. Mascetti, Torrington, $76,287—paving 6,791 t. Rocky Hill, to New Haven Road Constr. Co., Inc., 70 Colony St., New Haven, $27,-767 — waterbound macadam paving and bridge superstructure Beacon Falls, to E. J. Durrschmidt, Derby, $25,769—waterbound macadam paving 5,982 ft., and grading 3,230 ft. Saybrook, to F. Arrigoni & Son, Middletown, $62,707 — trap rock waterbound macadam paving 15,270 ft. Enfield, to Lawton Constr. Co., Providence, R. I., $67,542—5,996 ft. Wethersfield, to Hagan-Thibodeau Constr. Co., Eden Park, R. I., $32,068—2 bridge superstructures in Woodbury, to Berlin Constr. Co., Berlin, $22,443—2 bridges in Sterling, to F. D. Miller, Norwich, $8,749. Grand total $603,-369. Noted June 14.

N. Y., Brooklyn—J. J. Bryne, pres. Brooklyn Boro, Boro Hall, Persicano Constr. Co., 350 Fulton St., sidewalks on 60th st. $3,094; to T. V. Scott, 671 Halsey St., grading Barbey St. $1,320, East 46th St. $1,343 and Rockaway Parkway $1,794; to G. M. Mandato, 201 Neck Rd., 7th Ave. $2,982; to M. J. Grant, 125 Montague St., granite block paving Flushing Ave., $79,-995; to Meehan Paving Constr. Co., 90 West St., New York, sheet asphalt paving Crescent Pl. $2,121 to B. Turecamo Contg. Co., 8706 16th Ave., Dahill Rd., $8,189, East 3rd St. $7,800, and West 33rd St. $6,741; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving 1st Court $3,603, West 6th St. $26,434, 4th Ave. $142,702, 9th Ave. $2,497, 13th Ave. $8,613; to W. J. McHale Contg. Co., 1250 Jefferson Ave., grading, paving East 94th St. $62,261. Grand total $361,489. Noted May 31.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, 4 in. granite block on concrete paving 1st Ave., to Meehan Paving & Constr. Co., 90 West St., $17,276; Grand St., to Casper Helbock Co., 633 Wales Ave., $118,790; Duane St., to W. J. Fitzgerald, 547 West 45th St., $21,614. Grand total $157,680. Noted June 28.

N. J., East Orange—Bitiluthic paving North 17th St., to Standard Bitulithic Co., foot Brill St., Newark, $32,000.

N. J., Harrington Park—Paving, Parkway Norma and Florence Rds., to Burns & Hall, Park Ave., Dumont, $52,500. Noted Jan. 28.

N. J., Linden — Common Council, City Hall, curbing, sheet asphalt on 6 in. concrete paving Ingalls Ave., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $19,244; Monmouth Ave., to J. F. Burke, 305 Park Ave., Plainfield, $16,894.

N. J., Lyndhurst (br. Rutherford)—Bd. Town Comrs., Town Hall, bituminous macadam paving Thomas Ave., to A. Weyersberg, 634 Valley Brook Ave., $20,314. Noted June 28.

N. J., Teaneck (mail West Englewood)—Township Comn., Municipal Bldg., grading, 6 in. single line rein.-con. paving North St. from Larch to Chestnut Aves., to Santa-Kanova Co., Rochelle Park, 84% $26,000 appropriation.

N. J., Union—Township Com., Town Hall, curbing, 6 in. rein.-con. paving Kelly, Barbara, Plane and High Sts., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $43,453. Noted June 14.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 76,192 sq.yd. Project 173-D, Luzerne Co., to Georges Constr. Co., Uniontown $516,484—91,955 sq.yd. Project 2815, McKean Co., to F. D. Ross, Bradford $502,152.

Pa., Beaver—See "Bridges."

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) Battersby St. $7,089, Front St. $37,191, Herbert St. $5,759; to Union Paving Co., 123 South 21st St., Island St. $22,752, Whitaker St. $8,604, asphalt repaving Chester St. $2,241, 10th St. $7,132, 23rd St. $33,820, redressed granite block repaving track area of Spruce St. $27,490, 40th St. $7,088, 63rd St. $8,792, asphaltic concrete repaving Germantown Rd., $23,581; to Eastern Asphalt Co., Penn Bldg., asphalt repaving Castor St. $2,996, Dauphin St. $9,682; to Municipal Constr. Co., Washington Square Bldg., Larchwood St. $16,-985, 5th St. $20,999; to Mazzola & Marano, 739 South 7th St., redressed granite block repaving track area Baltimore St. $44,915, to Elkins Paving & Constr. Co., 834 North Holly St., South College St. $5,758, 58th St. $11,134, to Fish-Rutherford, Inc., 4038 Chestnut St., 63rd St. $27,582. Grand total $329,590. Noted June 7.

Md., Baltimore—Bd. Awards, sheet asphalt paving 15,900 sq.yd. Contr. 466, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $65,469; concrete paving 7,500 sq.yd. Contr. 467, to Mahoney Bros., 1111 Rutland Ave., $17,376. Noted June 14.

Md., Towson—Comrs. Baltimore Co., concrete paving 1.25 mi. Group 9, to H. T. Campbell & Sons, Towson, $34,777. Noted June 14.

W. Va., Cumberland—Amiesite on concrete paving Virginia Ave., to Cumberland Contg. Co., Cumberland, $26,167.

W. Va., Fairmont—For 7 in. limestone aggregate concrete paving Bentons Ferry Rd., to R. W. Fimble, $47,088; Colfax Rd., to A. Shuttle, Fairmont, $42,041. Noted May 24.

N. C., Charlotte—Widening, sheet asphalt paving 93,300 sq.yd., concrete paving 6,000 sq.yd. to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $390,374.

Miss., Pascagoula—Jackson Co., asphaltic concrete paving 2.89 mi., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn. $28,352; wire guard rail, to Cyclone Fence Co., Ft. Worth, Tex., $3,025. Noted May 31.

La., Bastrop—Morehouse Parish, graveling 7.25 mi. Project B, to W. O. McKeithen, Grayson, $24,215; 5,760 cu.yd. washed gravel or 8,640 cu.yd. sand clay gravel, f.o.b. Bastrop, to Monroe Sand & Gravel Co., Monroe, $12,685; No. 2 creosoted lumber and piling, to American Creosote Co., 1305 Dublin St., New Orleans, $1,200; rein.-con pipe, to Shearman Concrete Pipe Co., Shreveport, $537. Grand total $38,637.

La., New Orleans — Grading, curbing, guttering, permanent paving 11,420 sq.yd. 1st or Front Sts., to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., $37,270.

Tenn., Jackson—Curbing, guttering, 6 in. concrete on plain concrete paving 13,000 sq.yd., to Y. Conger, Jackson, $40,400.

O., Akron—F. E. Swineford, dir. Pub. Serv., to T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, walks, paving 17,100 sq.yd. Akron-Massillon Rd., Texaco asphalt $99,641, 1,835 sq.yd. Dierz Ave., vitr. brick, $10,849, resurfacing 5,760 sq.yd. South Main St., Texaco asphalt $17,-886; to Hollinger & Davidson, 435 South Bway., 3½ in. brick paving 15,230 sq.yd. Brittain Rd., $85,713; to Columbus Asphalt

Streets and Roads (Continued)

Paving Co., 304 Buckeye Bldg., Texaco asphalt paving 2,800 sq.yd. Andrus St. $14,-040 and 4,000 sq.yd. Girard Ave., $18,722; to McAlonan Bros., 506 Woodland Ave., grading, concrete guttering, sewers Shaw St. et al. $100,409. Grand total $347,266. Noted May 31.

O., Akron—Comrs. Summit Co., grading, curbing, 30 ft. brick and 20 ft. rein.-con., paving 2 mi. Romig Rd., to D. A. Phillips & Son, Ashland, limestone, $107,257. Est. $138,486. Noted May 24.

O., Akron—Summit Co., grading, concrete curbing, 12,000 sq.yd. concrete, widening existing brick pavement, South Main St., to Costigan Shroyer Co., Metropolitan Bldg., $60,640. Est. $67,000. Noted June 14.

O., Alliance — Bd. Control, widening, granite curbing, asphalt repaving State St., to General Asphalt Paving Co., Witters Bldg., Cleveland St. N.W., Canton, $67,573. Est. $65,000-$70,000. Noted June 28.

O., Cincinnati—Hamilton Co., grading, curbing, sidewalks, concrete paving 6,000 sq.yd. Ferguson Rd., to F. Franz & Sons, Cincinnati Ave., North Bend, $26,753; grading, tar bound macadam repaving 6,700 sq.yd. Lawyer Rd. and 21,000 sq.yd. Race Rd., to A. C. Pickelheimer, Newtonville, $18,748 and $48,705 respectively, 8,600 sq. yd. Delhi Rd., to Delhi Constr. Co., Sayler Park Station, $59,464, 12,300 sq.yd. Pfeiffer Rd., to J. S. Slone, 2312 Mound Ave., Norwood, $26,630, 11,200 sq.yd. Symmestown Rd., to O. E. Radabaugh, Cornell Rd., Hazelwood, $22,928, 14,400 sq.yd. Given Rd., to Craig & Jordan, Newtonville, $34,097. Grand total $237,325. Noted May 31 and June 21.

O., Cincinnati — Hamilton Co., grading, tar bound macadam repaving 2,000 sq.yd. Lenser Rd., to W. E. Pickelheimer, Newtonville, $35,600. Est. $41,265. Noted May 3.

O., Cleveland—Cuyahoga Co., grading, concrete curbing, guttering, concrete paving 28,600 sq.yd. Bennett Rd., to N. Siegal, 1668 Eddington Rd., $175,698.

O., Zanesville—Concrete paving Seborn Ave., to Payne Constr. Co., New Lexington, $25,528. Est. $25,000.

Ind., Elkhart—Concrete paving Greenleaf Blvd. and Michigan St., to Plummer Constr. Co., $48,034 and $25,542 respectively.

Ind., Mt. Vernon—Posey Co., concrete paving E. V. Spencer Rd., to G. J. Thomas, Mt. Vernon, $14,746; L. A. Pfeiffer Rd., to C. K. Knowles, Oliver, $30,777.

Mich., Detroit—Wayne Co., one course concrete paving 2 mi. Warren Ave. and Merriman Rd., to Bishop & Weir, 955 East Jefferson Ave. Est. $90,000.

Mich., Muskegon Heights — City Clerk, grading, concrete paving 17 blocks Summit Ave., Jefferson and 5th Sts., to O. P. Carpenter Contg. Co., 800 Sanford St., $28,753. Est. $30,000.

Ill., Franklin Park — Rein.-con. paving 73,750 sq.ft., to Bway. Constr. Co., 205 West Wacker Dr., Chicago, $327,567.

Ill., Glencoe—Grading, curbing, guttering, sewers, 8 in. concrete paving 10,775 sq. yd. Glencoe Woods Pavement Dist., Special Assessment 270, to E. A. Meyer Constr. Co., Highland Park, $80,088.

Ill., Maywood — Concrete paving 24,890 sq.yd., to Standard Paving Co., 341 North Parkside Ave., Chicago, $105,351.

Ill., Palatine — Concrete paving 9,130 sq.yd., to Highways Constr. Co., Highland Park, $37,776.

Wis., Manitowoc — Vibrolithic concrete paving 33,500 sq.yd., to Cherney Constr. Co., Francis Creek, $68,000.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Cezrwinski Constr. Co., 816 Clinton St., grading, paving Capitol Dr. $18,507, Cornell St. $4,324, Elmhurst Rd., $30,771, 15th Ave. $16,000, 51st St. $19,612, 54th St. $6,818, 41st St. $6,812, Olive St. $11,297, 3rd Ave. $3,626, 22nd St. $7,632, 25th St. $7,685, 26th St. $1,629, 28th St. $11,438, 29th St. $11,511, Vienna Ave. $11,-666; to Gumz & Switalski, 831-13th Ave., 47th St. $27,978, one alley $1,953; to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., 2 alleys $5,692 to F. W. Blodgett, 521 Newton Ave., alley $3,044; from N. Harris, Girard and St. Albian Sts., alley, $812; to A. J. Koch, 1297 Craner St., alley $2,436; to Parkinson Constr. Co., 322-27th St., alley $3,346; to Bleck Const. Co., 2123 Vliet St., alley $1,751. Grand total $214,-341. Noted June 14.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., sheet asphalt paving Garfield Ave. $15,678, Juneau Ave. $14,158, Madison St. $2,053, St. Paul Ave. $14,078, 2nd St. $8,088, Wells St. $8,390. Grand total $62,445.

Ia., Dysart—Grading, curbing, 7 in. rein.-con. paving 16 blocks, 24 ft. and 1 block, 50 ft. to Haegg Constr. Co., 1105 12th Ave. W. Cedar Rapids, $39,134. Noted May 10.

Kan., Atchison—J. R. Gilman, clk. Atchison Co., sand gravel or chat surfacing 10.302 mi. Project 73E-32-K518, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $17,882. Noted June 7.

N. D., Williston—J. M. Hunt, city aud., 6 in. concrete paving 39,144 sq.yd. Paving Dist. 1, to Northern Constr. Co., Grand Forks, $98,569. Noted May 10.

Mo., Kansas City—For 8 in. concrete paving 75th St. between Wornall Rd. and Oak Sts., to Kelly Welsh, 1122 East Gillham Rd., $32,359; 75th St. between Oak St. and Troots Ave., to J. A. Tobin, 5524 Mission Rd., $30,175.

Mo., Kansas City—Jackson Co., 3 m.g. road oil on roads, to P. Patton Contg. Co., 1921 Woodland St. at $0.0695 per gal.

Mo., Kirkwood—Bd. Alderman, City Hall, to Independent Asphalt & Constr. Co., 5523 Manchester Ave., St. Louis, amasco paving 4,100 sq.yd. Argone Dr. $4,633, 2,329 sq.yd. Rose Hill Ave. $2,632, 2,922 sq.yd. Harrison Ave. $3,302, and 2,250 sq.yd. Jefferson Ave. $2,486; to Industrial Track Constr. Co., Title Guaranty Bldg., St. Louis, roc-hill paving 4,100 sq.yd. Argone Dr. $3,813, 5,894 sq.yd. Geyer Rd. $5,835, and 887 sq. yd. Dickson St. $905; to Bangert Bros. Constr. Co., 44A South Florissant Rd., bituminous macadam paving 5,280 sq.yd. Dickson St. $2,534, 1,786 sq.yd. Harrison Ave. $857, tarvia paving 3,856 sq.yd. Taylor Ave. $1,850, 1,071 sq.yd. Clinton Pl. $514, and 3,819 sq.yd. Rose Hill Ave. $1,833, to Fehlig-Ferrenbach, Inc., 3500 Hickory St., St. Louis, 1,286 sq.yd. Essex Ave. $617, 767 sq.yd. Taylor Ave. $368, 1,368 sq.yd. Jefferson Ave. $657, and 1,345 sq.yd. Pitman Pl. $646. Grand total $33,482.

Texas—G. Gilchrist, state hy. engr., Austin (**e.e. means engrs. est.**), concrete paving 15.641 mi. hy. Hardeman Co., to McClung Constr. Co., 1309 Fort Worth $405,000—grading 1.477 mi. hy. Anderson and Cherokee Counties, to Howard Kenyon Dredging Co., 3603 McKinney St., Houston, $26,472 e. e. $32,600—grading, drainage structures 1.138 mi. hy. Colmon Co., to Crouch & Noland, Strawn, $22,252 e. e. $26,000; grading, concrete paving 14,128 mi. hy. Fort Bend Co., to A. Smith, P. O. Box 713, Bryan, $338,694 e.e. $396,000. Grand total $762,242. Noted June 14.

Tex., Waxahachie—Bituminous on gravel macadam paving 80 mi. Road Dist. 1, to Cocke & Turner, Marshall, $117,000. Est. $130,000. Noted May 24.

Oklahoma—State Hy. Dept., Oklahoma City, concrete paving 56,117 sq.yd. Federal Aid Project 145-B, Comanche Co., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $151,-216. Est. $155,000. Noted May 31.

Okla., Geary—Grading, concrete paving 6,500 sq.yd. South Bway., to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $28,096. Est. $28,138.

Okla., Guthrie—Grading, concrete paving 6,500 sq.yd. East Oklahoma Ave., to T. Gudgel, Stillwater, $26,328. Est. $28,000. Noted June 27.

Okla., Norman—Grading, concrete paving 9,660 sq.yd. Normal Blvd., to Baum & Dyer, Durant, $29,018. Est. $30,000.

Okla., Tulsa—Tulsa Co., concrete slab surfacing 26,000 sq.yd. Turkey Mountain Rd., to Standard Paving Co., 2115 East 11th St., $60,220. Est. $65,000.

California — State Hy. Comn., Sacramento, grading, crushed stone surfacing 3.8 mi. Shasta Co., to Mathews Constr. Co., Forum Bldg., Sacramento, $226,107. Est. $359,909. Noted May 24.

California—C. V. Purcell, state hy. engr., Sacramento, grading, oil treated crushed rock surfacing 3 mi. Solano Co., to Larsen Bros., Sonoma $62,704. Est. $69,450. Noted May 31.

Calif., Los Angeles—Grading, curbing, walks, concrete paving 3rd St., between Lakershim Blvd. and Riverside Dr., to E. L. Fleming, Glendale, $43,689.

Calif., San Carlos—Macadam oil and rock screening on 4 in. macadam paving 130,000 sq.ft. Pelps Rd., to Peninsula Paving Co., Standard Oil Bldg., $94,485. Noted June 14.

Calif., San Diego—San Diego Co., curbing 1½ in. Durite on 3½ in. asphalt concrete paving 207,000 sq.ft. Vassar Ave. in University Park, to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $112,960.

Calif., San Diego—San Diego Co., sidewalks, culverts, 1½ in. Amiesite on 3½ in. asphalt concrete paving 153,402 sq.ft. streets in Villa Cara Heights, to Butterfield Constr. Co., 5th St. and University Ave., $89,504.

Ont., Erin—Asphaltic macadam paving 20,000 sq.yd., to Brennan Paving Co., 400 Gage Ave. N., Hamilton, $46,000. Est. $50,000.

Ont., Haileybury—Bitulithic paving, to Warren Paving Co., University Ave., Toronto, $60,000.

Ont., Kincardine—G. E. Stephenson, engr., Walkerton, asphalt on bituminous macadam paving 25,000 sq.yd. Main St., to Standard Paving Co., Central Chambers, Ottawa, $72,745. Est. $75,000.

Ont., Millbrook—L. C. Russell, town clk., concrete curbing, guttering, sewers, asphalt on macadam paving 13,400 sq.yd. King St. and Middle Rd., to Ontario Amiesite Co., foot of Spadina Ave., Toronto, $40,000.

Ont., New Toronto—W. H. C. Millard, town clk., concrete curbing, guttering, concrete paving ¾ mi. 8th St., to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $36,133. Est. $35,000.

Ont., Oakville—Concrete paving 18,000 sq.yd. King and Reynold Sts., to W. W. King Constr. Co., Oakville, $39,614. Est. $40,000.

Ont., Sandwich—Curbing, concrete paving 13,000 sq.yd. Grand Marias Rd., to Labute & Cannel, Tecumseh, $38,000. Est. $40,000.

Ont., Toronto—Asphalt on concrete paving Malborough Ave., to Kilmer & Barber, 73 Adelaide St. W., $9,983; Spencer Ave., to Godson Contg. Co., 203 Richmond St. W., $7,749; Strathallan Blvd., to Constructing & Paving Co., Confederation Life Bldg., $6,-459; Bedford Rd., Crawford St. and Spadina Ave., to owners by day labor, $24,164. Grand total $48,355.

Ont., Toronto—York Co. waterbound macadam paving 2½ mi. road from Ringwood to Markham, to A. E. Jupp Constr. Co., 170 Berkley St., Toronto, $37,500. Est. $40,000.

Ont., Toronto—York Twp., asphalt on concrete paving Old Weston Rd., to Godson Contg. Co., 203 Richmond St. W., $17,970, Beachwood Ave., to Constructing & Paving Co., Confederation Life Bldg., $14,333, concrete sidewalks on Vaughan Rd. and Lambton Ave., to owners by day labor, $3,631. Grand total $35,934.

Ont., Windsor—Concrete curbing, concrete paving 6,800 sq.yd. in Maidstone Twp., to Morand & Walker, Tecumseh. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Fort Scott, Kan., August, $225,000.
Waterworks—Chickasha, Okla., $350,000.
Waterworks—Sacramento, Calif., Aug. 28, $1,350,000.
Sewerage System—Lebanon, Mo., July 17, $73,000.
Sewers — Vista, Calif., Sanitary Dist., $70,000.
Paving—Elizabethtown, Tenn., $225,000.
Paving — Kansas City, Mo., Aug. 7, $5,500,000.
Roads — Hidalgo County, Tex., July 12, $1,000,000.
Roads—Lavaca County, Tex., $550,000.
Roads—Newton County, Tex., $150,000.
Roads — Major County, Okla., Aug. 7, $600,000.
Roads — Muskogee County, Okla., Aug. 7, $1,500,000.
Court House—Macon County, Ga., Nov. 6, $250,000.

Bonds Voted

Waterworks—Barnes, Kan., $25,000.
Waterworks—Hico, Tex., $38,000.
Waterworks—San Marcos, Tex., $150,000.
Sewers—Asherton, Tex., $25,000.
Sewers—Chickasha, Okla., $70,000. R. O. Bradley, engr.
Sewerage System—Okeene, Okla., $47,000.
Paving—Huntingdon, Tenn., $50,000.
Paving—Alice, Tex., $25,000.
Paving, etc.—Asherton, Tex., $45,000.
Roads—Pettis County, Mo., $54,000.
Roads—St. Louis County, Mo., $10,000, J. Jablonsky, Clayton, engr.
City Hall—Granite City, Ill., $150,000.
City Hall—Coffeyville, Kan., $225,000.
School—Jackson, Tenn., $225,000.
High School—Laramie, Wyo., $250,000.
Power Plant Extension — Tarboro, N. C., $100,000.

Bonds Defeated

Waterworks—Gracemont, Okla., $26,000.
High Schools—Alhambra, Calif., $1,675,000.

Buildings—Commercial

Proposed Work

Mass., Lowell—HOSPITAL—Lowell General Hospital, J. F. Sawyer, pres., soon lets contract 2 story, basement, 45 x 160 ft., brick, stone hospital for incurables, plain found., hospital grounds. To exceed $150,-000. Appleton & Stearns, 53 State St., Boston, archts. Noted May 10.

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Buildings—Commercial (Continued)

Mass., Lowell — WARD — Appleton & Stearns, archts. 53 State St., Boston, soon lets contract 2 story, basement, 45 x 160 ft., brick, ward building for incurables, plain found., hospital grounds, for Lowell. General Hospital, J. F. Sawyer, treas., Varnum Ave. $200,000.

Mass., Winthrop (br. Boston) — HOSPITAL — Community Hospital, R. F. Whittier, pres. and chn., revised plans by Stevens & Lee, 45 Newbury St., Boston, 4 story, basement, 40 x 180 ft., brick, rein.-con., plain found., Lincoln St. $175,000. Former bids rejected. Noted Apr. 26.

R. I., Westerly—MERCANTILE—H. P. Milner sketches by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., and Jackson, Robertson & Adams, associated archts., Turks Head Bldg., Providence, Mercantile Building, Broad St. $150,000 or more.

Conn., New Haven—CITY HALL—City Hall Building Comn. sketches by Edgerton Swartout, 18 West 34th St., New York, 2 and 5 story city hall, Orange and Church Sts. $1,750,000. Noted Dec. 8.

Conn., Newtown—TOWN HALL—Town, c/o Edmond Memo Town Hall Com., new town hall, $250,000. Engineer and architect not selected.

Conn., Stamford—HOTEL, etc.—Shippen Point Hotel, c/o C. S. Adams, 2038 Spruce St., Phila., Pa., 15 story, basement, 600 room, irregular sized hotel and swimming pool.

N. Y., Brooklyn—APARTMENT—M. H. Koeppel, Inc., 26 Court St., plans by Malkind & Weinstein, 93 Court St., 6 story, 29 x 75 ft., brick, timber, Ocean Ave. and Ave. N. $210,000.

N. Y., Brooklyn—APARTMENT — L. Rothman, 1512 East 17th St. and S. Lasoff, 1143 Sutter Ave., plans by H. J. Daidone, 55 West 42nd St., New York, 6 story, 89 x 140 ft., brick, timber, Bedford Ave. and Ave. O. $300,000.

N. Y., Brooklyn — APARTMENT — Lemore Realty Corp., I. Weiner, pres., 191 Joralemon St., plans by Prober & Blaufeux, 66 Court St., 6 story, 90 x 100 ft., brick, timber, Sunnyside St. and Miller Ave. $250,000.

N. Y., Brooklyn—APARTMENT and STORE—Lap Realty Corp., 547 Rockaway Parkway, S. Lapidus, pres., plans by J. Flin, 1773 Pitkin Ave., 4 story, 90 x 100 ft., brick timber, Wilson Ave. and Cornelia St. $150,000.

N. Y., Brooklyn — DEPARTMENT STORE—Namm Stores, Inc., 452 Fulton St., sketches by Kohn & Butler, 56 West 45th St., New York, 8 story, 22 x 75 ft., steel, limestone addition, Fulton and Hoyt Sts. $150,000.

N. Y., New York — APARTMENT — Driveway Realty Corp., J. H. Schwartz, pres., 1440 Bway., plans by Gronenberg & Leuchtag, 1385 Bway., 15 story, 107 x 116 ft., brick, steel, 116 Riverside Dr., $600,000.

N. Y., New York — APARTMENT — C. Goldner Realty Corp., 1041 Fox St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 100 x 124 ft., brick, timber, Gun Hill Rd. and Holland Ave. $200,000.

N. Y., New York—APARTMENT—Montelenox Corp., A. F. Seliaberg, pres., 15 William St., plans by R. Candela, 578 Madison Ave., 17 story, 100 x 139 ft., 720 Park Ave. $2,000,000.

N. Y., New York—APARTMENT—Northview Investing Corp., A. F. Schigsberg, pres., 15 William St., plans by L. A. Goldstone, 420 Madison Ave., 19 story, 100 x 140 ft., brick, steel 730 Park Ave. $2,000,000.

N. Y., New York—APARTMENT—40 West 67th St. Corp., J. A. Cambell, pres., 50 Central Park West, plans by R. Candela, 578 Madison Ave., 9 story, 75 x 84 ft., brick, steel, 36 West 67th St. $350,000.

N. Y., New York—APARTMENT—Sawa Realty Corp., 765 Allerton Ave., plans by L. Pisciotta, 563 East Tremont Ave., 5 story, brick, timber, Rhinelander and Holland Aves. $150,000.

N. Y., New York—APARTMENTS and STORES — Soundfield Holding Corp., S. Grossman, pres., Legett Ave. and Truxton St., plans by H. I. Feldman, 415 Lexington Ave., one 5 story, 88 x x191 ft. and one 5 story, 88 x 125 ft. apartments, Stratford and Westchester Aves., $400,000 and $250,000 respectively; one 88 x 125 ft. apartment, $250,000, four 88 x 125 ft. apartments, $1,000,000, 6 story, 90 x 128 ft. apartment and store building, $275,000, all foregoing Morrison and Watson Aves.

N. Y., New York—BANK, APARTMENT and HOTEL—Fifty-One 5th Ave. Corp., J. A. Garry, vice-pres., 644 9th Ave., plans by T. W. Lamb, 644 8th Ave., 21 story, 62 x 125 ft., brick, steel, 49-51 5th Ave. $1,700,000.

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N. Y., New York—BANK AND OFFICE—Thirty-five-forty-one Broad St. Corp., D. Durant, vice-pres., 43 Exchange Pl., plans by Cross & Cross, 385 Madison Ave., 9 story, 106 x 128 ft., brick, steel, 35 Broad St. $1,500,000.

N. Y., New York—HOSPITAL—Eighty-seven St. East End Corp., 250 Park Ave., plans by Crow, Lewis & Wick, 200-5th Ave., 14 story, 96 x 201 ft., brick, steel, 545 East 87th St. $1,750,000.

N. Y., New York—HOSPITAL—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 9 story, brick, 227 East 19th St. $500,000.

N. Y., New York—OFFICE and STORE—F. Frieden, 1375 Garrison Ave., plans by L. Pisciotta, 563 Tremont Ave., 3 story, 111 x 119 ft., brick, Webster and Tremont Aves. $200,000.

N. Y., New York—OFFICE and LOFT—L. Adler, 550 7th Ave., sketches by Buchman & Kahn, 49 West 45th St., 35 story, 107 x 146 ft. office and loft building. $7,000,000.

N. Y., New York—STORE and APARTMENT—Rodolph Building Corp., A. Immarata, pres., 831 Arnow Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 125 ft., brick, timber, Mace and Holland Aves. $250,000.

N. Y., New York—STORE and APARTMENT—Northbrook Corp., J. H. Harde, pres., 4316 Bway., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 100 x 100 ft., brick, timber, 4337 Bway.

N. Y., New York—STORE and OFFICE—W. Hagedorn, 1896 1st Ave., plans by C. Schaefer, Jr., 332 East 149th St., 2 story, 164 x 165 ft., brick, Morris Ave. and Fordham Rd. $250,000.

N. Y., North Tarrytown (Ind. br. Tarrytown—APARTMENT—J. D. Rockefeller, Jr., 26 Bway., New York, sketches by A. J. Thomas, 2 west 46th St., New York, 5 story apartment on site 400 x 500. $1,000,000.

N. J., Caldwell—HOME—Thresa Grota, c/o E. H. Fougner, archt., 197 Market St., Newark, sketches 2 story, basement, brick, steel convalescent home. $150,000.

N. J., Elizabeth—APARTMENT—Kowalsky & Gold, 541 Linden Ave., sketches by W. L. Finne, 91 Broad St., 3 story, basement, 55 x 110 ft., brick, plain found. $150,000.

N. J., Hoboken—BANK—City Steneck Trust Co., H. Steneck, pres., 95 River St., plans by W. Neuman, 40 Journal Sq., Jersey City, and F. Perna, associated archt., 68 Hudson St., Hoboken, 2 story, basement, 45 x 80 ft., brick, steel, plain found., 4th and Grand Sts. $150,000.

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., c/o C. Sholowitz, archt., 26 Journal Sq., sketches 5 story, basement, brick, steel, plain found., Summit, Magnolia and Wests Sts. $150,000.

N. J., Jersey City—STORE, OFFICE and DISPLAY ROOM—Universal Security Co., c/o M. McDermott, Tube Concourse Bldg., plans 3 story, basement, brick, steel, plain found., 922 Bergen Ave. $150,000.

N. J., Morristown—Owner, c/o D. H. Trevor, archt, 45 Branford Pl., Newark, 10 story, basement, brick, steel, plain found., South and Pine Sts. $350,000. Noted May 24.

N. J., Newark — APARTMENT — H. Lilien, 234 Highland Ave., plans by Lilien & Lilien, 155 West 72nd St., New York, 6 story, basement, 50 x 150 ft., brick, steel, plain found., 532-4 Clinton Ave. $200,000.

N. J., Newark—STORE—M. Stairtsky, 889 Broad St., 4 story basement, brick, steel, plain found., Market St. and Pierson Pl. $150,000. Engineer and architect not selected.

N. J., Passaic — COMMERCIAL — M. Lindenstruth, c/o B. J. Bellay, archt., 625 Main Ave., 3 story, basement, 50 x 100 ft., brick, steel, plain found., 26 Passaic Ave. $150,000. Noted June 28.

N. J., Perth Amboy—STORE and LOFT—A. Kaufman, 239 State St., will not construct 4 story, basement, 100 x 135 ft. brick, plain found. New Brunswick Ave. $150,000. Project abandoned. Noted Dec. 8.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340-4th St., Jersey City, sketches by P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, 2 story, basement, 125 x 125 ft., brick, steel, plain found. incl. swimming pool, bath house, Oak Tree Park. $150,000.

N. J., Red Bank—AUTO SALES ROOM and APARTMENT—H. L. Zobel Co. plans by V. J. Eck, Broad St., 2 story, basement, 75 x 100 ft., brick, steel, plain found., Broad St. and Harding Rd. $150,0000.

N. J., Ridgefield — APARTMENT — E. Light, c/o Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, 4 story, basement, 50 x 100 ft., brick, steel, plain found $150,000.

N. J., Ridgewood—CLUB HOUSE—C. C. Wendehack, archt., 101 Park Ave., New York, soon lets general contract 2 story, basement, brick, steel, rein.-con., plain found., for Ridgewood County Club, McKinley Pl. $150,000. Noted June 14.

N. J., Scotch Plains — STORE and APARTMENT—Mobile Constr. Co., c/o C. C. Bell, archt., 17 Union Ave., Cranford, 2 story, basement, 65 x 160 ft., brick, steel, plain found. $150,000.

N. J., Trenton—HOTEL—Owner, c/o W. Hankin, archt., 224 East Hanover St., 8 story, basement, brick, steel, addition, plain found. $150,000.

Pa., Connellsville—THEATRE and OFFICE—K. M. Wallace, plans by C. R. Geisler, Ferguson Bldg., Pittsburgh, and soon takes bids 2 and 3 story, brick, steel, Main St. $150,000.

Pa., Pittsburgh—APARTMENT—A. M. Campbell, Denniston Ave., plans by Hannah & Sterling, 209 9th St., 3 story, basement, brick, steel, Ellsworth Ave. $160,000.

Miss., Ellisville—INFIRMARY—Colony for Feeble Minded sketches by C. H. Lindsley, Lamar Life Bldg., Jackson, brick, concrete dormitory, service and laundry buildings. $500,000.

O., Apple Creek—ADMINISTRATION—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 3 story, basement, 42 x 175 ft., steel, brick, concrete, stone, Institution for Feeble Minded $200,000.

O., Apple Creek—COTTAGES—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio Hartman Bldg., Columbus, two 2 story, basement, L shaped one wing 30 x 50 ft., other 30 x 80 ft., brick, steel, stone, concrete walls, Institution for Feeble Minded $175,000.

O., Dayton—AUTO TIRE SERVICE and SALES—Four Hundred Seventy-Six Co., H. H. Low, pres., 114 North St. Clair St., 2 story, basement, 50 x 100 ft., rein.-con., steel, stucco, East 2nd St. $150,000. Private plans.

Ind., Ft. Wayne—HOSPITAL—St. Josephs Hospital, plans by Pohlmeyer & Pohlmeyer, Central Bldg., 7 story, basement, 80 x 130 ft., rein.-con., brick, steel, stone, Berry and Van Buren Sts. $750,000.

Mich., Detroit — OFFICE and EXCHANGE—Michigan Bell Telephone Co., Cass Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 2 story, basement, rein.-con., brick, steel, plain found., Greiner Ave. $150,000.

Ill., Chicago—APARTMENT—Syndicate, c/o Hooper & Janusch archts., 879 North State St., 20 story, basement, 85 x 155 ft., brick, steel, stone, 1420 Lake Shore Dr. $3,000,000.

Ill., Chicago — OFFICE and STORE — A. N. Rebori, archt., 332 South Michigan Ave., soon takes bids 25 story, sub-basement, 60 x 100 ft., brick, steel, caisson found., 125-135 West Wacker Dr., for J. M. Patterson, 431 North Michigan Ave. $2,000,000. Holabird & Root, 333 North Michigan Ave., associated archts.

Ill., Chicago — PLANETARIUM — South Park Comrs., 5700 Cottage Grove Ave., concrete, steel, on river front in Grant Park. $500,000. Engineer and architect not selected.

Minn., Faribault—HOTEL and STORE—Harvey Hotel Co., c/o T. J. Harvey, plans by L. C. Pinault, St. Marys Bldg., St. Cloud, 4 story, basement, rein.-con., brick, stone hotel. $250,000.

Mo., St. Louis — STORE and APARTMENT—F. L. Dittmeier, 624 Chestnut St., 3 story, basement, 126 x 161 ft., rein.-con., brick, Kingshighway and Aldine Pl. $150,000.

Tex., Austin — HOTEL — Driskill Hotel Hotel Co., c/o C. M. Bartholomew, pres., plans by Frost & Frost, Two Republics Bldg., El Paso, 12 story, basement, L shaped, 80 x 100 ft., annex, with arcade and courtyard 32 x 54 ft., 7th St. $275,000.

Tex., Beaumont—MASONIC TEMPLE—Masonic Orders, c/o Secretary, Beaumont, temple. $350,000.

Tex., Corpus Christi — APARTMENT — Sketches by W. A. Nethercot, 7 Lovenskiold Bldg., 2 and 3 story, rein.-con., brick, stone trim, concrete tile apartment.

Tex., Houston — STORE — J. H. Jones, Bankers Mortgage Bldg., plans by A. C. Finn, Bankers Mortgage Bldg., 3 story, basement, 58 x 100 ft. store, Main and Walker Sts. $150,000.

Tex., San Antonio—MOTOR BUS TERMINAL—Martin-Navarro Co., c/o L. Lipscomb, pres., Frost Bank Bldg., plans by Herff & Jones c/o San Antonio Loan Trust Co. Bldg., and soon takes bids 2 story, large sized basement, 80 x 160 ft., brick, rein.-con., hollow tile, stucco, plain found.,

Buildings—Commercial (Continued)

Martin, Navarro and Pecan Sts. $300,000. Union Bus Co., 219 East Travis St., Southland Red Ball Motor Bus Co., and Union Bus Lines, lessees. Noted June 7.

Tex., Temple—CITY HALL—City, c/o G. E. Byars, city mgr., 2 or 3 story, brick, rein.-con., city hall. $125,000-$150,000. M. W. Scott, 412½ Franklin Ave., Waco, archt.

Okla., Muskogee — CITY HALL — City plans by Niemann & Howenstine, 710 Barnes Bldg., 3 story, basement, 140 x 212 ft., rein.-con., brick, stone city hall. $400,000. Noted Apr. 19.

Okla., Tulsa—HOTEL—C. W. Bliss, Bliss Bldg., sketches by L. I. Shumway, Alexander Bldg., 10 story, basement, 60 x 140 ft., rein.-con., brick, Boston St. $500,000.

Okla., Tulsa — HOTEL — C. Barton sketches 10 story, basement, 75 x 140 ft., rein.-con., brick, plain found., 2nd St. $700,000. Engineer and architect not selected.

Wash., Seattle—APARTMENT—J. Hudson, Amer. Bank Bldg., 25 story, rein.-con., steel, terra cotta, Terry Ave. and Seneca St. $1,000,000.

Calif., Berkeley—HOSPITAL—Bohannon Cancer Institution, 1813 University Ave., plans by J. W. Plachek, Mercantile Bank Bldg., 4 story, basement, rein.-con., University Ave. To exceed $150,000.

Calif., Folsom—HOSPITAL and CELLS—State plans by G. B. McDougall, state archt., 615 Forum Bldg., Sacramento, 4 story, 5 x 300 ft., rein.-con. cell-block with hospital addition at Folsom State Prison. $200,000.

Calif., Hollywood—APARTMENT—Hope Street Building Assn., Inc., c/o F. H. Webster, archt., Guaranty Bldg., Hollywood, 6 story, basement, rein.-con., South Hope St. $200,000.

Calif., Los Angeles—APARTMENT—J. A. Rosencranz, et al., c/o R. Nicholais, archt., 686½ South Vermont Ave., sketches 6 story, basement, 115 x 125 ft., rein.-con., 8th St. $175,000 or more.

Calif., Oakland — OFFICE — Guarantee Building & Loan Assn., 69 South 1st St., San Jose, plans by A. F. Roller, Crocker 1st Natl. Bank Bldg., San Francisco, Class "A," 19th St. and Bway. $200,000 or more.

Calif., Palo Alto—EXCHANGE—Pacific Telephone & Telegraph Co., 444 Bush St., San Francisco, 2 story, basement, rein.-con., brick, terra cotta, Bryant St. $150,000. Private plans.

Calif., San Francisco—APARTMENT—Owner, c/o C. N. Burrell, archt., Amer. Bank Bldg., Oakland, 10 story, basement, steel, concrete, Nob Hill. $250,000.

Calif., San Francisco—OPERA HOUSE—City and San Francisco Co., plans by G. A. Lansburgh, 140 Montgomery St., and A. Brown, 251 Kearny St., Class "A," 4,000 seating capacity, 500 standing room, opera house, Van Ness Ave. $1,500,000.

Calif., Woodland—HOSPITAL—Yolo Co. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, fireproof hospital. To exceed $150,000. Noted Dec. 29, 1927.

Ont., Hamilton — GARAGE — Hamilton Ramp Garage Ltd., Federal Bldg., plans by G. T. Evans, Federal Bldg., 4 story, 65 x 175 ft., rein.-con., brick, steel, plain found., Rebecca St. $250,000.

Ont., Ottawa — OFFICE — Medical Arts Society Ltd., c/o Noffke, Morin & Sylvester, archts., Central Chambers, 4 story, basement, rein.-con., brick, steel, plain found. $200,000.

Ont., Peterboro — HOSPITAL — Hospital Bd., hospital addition, incl. heating and refrigeration plants. $350,000.

Ont., Toronto—APARTMENT—Clarendon Properties, 330 Bay St., 5 story, basement, rein.-con., brick, steel, plain found., Avenue Rd. $400,000. Engineer and architect not selected.

Ont., Toronto—CLUB HOUSE—Eglinton Hunt Club, Eglinton Ave. W., plans by V. Chadwick, 132 Church St., 2 story, part basement, rein.-con., brick, steel, plain found., Eglinton Ave. W. $200,000.

Ont., Toronto — OFFICE and WAREHOUSE—G. Tamblyn, Ltd., 129 Richmond St. W., 4 story, basement, 80 x 100 ft., rein.-con. brick, steel, plain found., Jarvis St. $150,000. Engineer and architect not selected.

Que., Montreal—Y.M.C.A. new building, Notre Dame de Grace St. $310,000. Engineer and architect not selected.

Que., Quebec City—GARAGE—F. A. Lawrie rein.-con. garage, Grande Allee St. $300,000.

P. E. I., Charlottetown—HOSPITAL—Directors of Prince Edward Island Hospital, new hospital. $200,000. Engineer and architect selected soon.

Bids Desired

Mass., Cambridge (br. Boston)—HOSPITAL—July 13 by Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 3 and 4 story basement, irregular sized, brick additions incl. nurses home, $175,000, childrens hospital $175,000, and private ward building, plain founds. Mt. Auburn St., for Cambridge Hospital, W. F. Earle chn. executive com. Noted May 3.

Mass., Dorchester (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Roslindale (Sta. Boston)—BANK, STORE and OFFICE—See "Contracts Awarded."

R. I., Providence — CLUB — July 6, by Providence Boys Club, 226 South Main St., 3 story, basement, brick, steel, Branch St. $150,000. K. C. Richmond, 526 Grosvenore Bldg., archt.

Conn., Norwalk—STORE and OFFICE—W. Bishop, Toilsome Ave., taking bids 4 story, basement, 75 x 110 ft., brick, stone, plain found., Wall St. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. J., Asbury Park—APARTMENT—See "Contracts Awarded."

N. J., Cranford — APARTMENT — See "Contracts Awarded."

N. J., East Orange—STORE and APARTMENT—See "Contracts Awarded."

N. J., Englewood—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Westfield — APARTMENT — See "Contracts Awarded."

Pa., Phila.—BANK—July 11, by Davis, Dunlap & Barney, archts., 1805 Walnut St., 1 story, mezzanine, basement, 67 x 86 ft., rein.-con., brick, steel, stone, plain found., Frankford Ave. and Rhawn St., for Holmesburg Trust Co., W. M. Rowland, pres., 8033 Frankford Ave.

D. C., Wash.—APARTMENT—Poretsky & Silver, 521 Irving St. N.W., taking bids separate contracts apartment, Georgia Ave. and Dahlia Sts., N.W. G. T. Santmeyer, 917 15th St. N.W., archt.

Ind., Indianapolis—WAREHOUSE and OFFICE—Kroger Co., 230 West McCarthy St., taking bids 4 story, basement, rein.-con., brick warehouse and office building. $300,000. E. H. Nieman, 3816 Shaw Ave., archt.

Ill., Chicago — APARTMENT — R. De Goyler & Co., archts., 307 North Michigan Ave., taking bids and opens same about July 10, 13 story, basement, 86 x 137 ft., rein.-con., brick, stone, wood pile found., 78th St. and Rainbow Park, for W. C. Bannerman & Co., 77 West Washington St. $1,000,000.

Ill., Evanston—APARTMENT—Cable & Spitz, archts., Chicago, taking bids 3 story, basement, 152 x 183 ft. brick, stone, Sherman and Noyes Aves., for Dolin Building Corp., c/o architects. $350,000.

Ill., Evanston—C. H. Walcott, archt., 431 North Michigan Ave., Chicago, taking bids 5 story, basement, 140 x 175 ft., rein.-con., brick, Maple and Grove Sts., for Y. M. C. A., 300 Adams St. $900,000. Noted Apr. 26.

Wis., Menasha—THEATRE—July 9, by H. D. Werwath, Inc., archts., 1535 Oakland Ave., Milwaukee, 2 story, basement, 67 x 118 ft., brick, plain found., for Owner, c/o J. M. Cobe, 629 Farwell Ave., Milwaukee.

Mo., St. Louis—HOTEL and APARTMENT—See "Contracts Awarded."

Mo., St. Louis—PASSENGER DEPOT—July 16, by R. E. Mohr, archt., 1765 Ry. Exch. Bldg., 2 story, 50 x 100 ft., rein.-con., brick, stone, terra cotta depot and 2-track, 800 ft. train shed, Delmar Blvd. and Wabash R.R. tracks, for Wabash Ry. Co., R. H. Howard, ch. engr., Reading Exch. Bldg., $350,000.

Wash., Seattle—GARAGE—H. Bittman, archt., Securities Bldg., bids about July 18, 6 story, basement, 60 x 108 ft., concrete, terra cotta, granite, 1915-3rd Ave., for W. E. Grimshaw, c/o architect. $150,000.

Calif., Los Angeles — APARTMENT — Schilling & Schilling, archts., Farmers & Merchants Bank Bldg., Los Angeles, taking bids 5 story, basement, 100 x 125 ft. rein.-con., Bway and Linden Ave., for Bway. Land Co., c/o architects.

Calif., Los Angeles — STORE — Morgan, Wells & Morgan, archts., Van Nuys Bldg., taking bids part 1 and 2 story, 210 x 310 ft., and 44 x 135 ft. rein.-con. warehouse, 6th St., for Chapman Bros., c/o architects.

Calif., Sacramento—MAUSOLEUM—B. J. S. Cahill, archt., 857-12th St., Oakland, taking bids rein.-con., marble bronze, St. Mary's Cemetery, for Roman Catholic Archbishop. $150,000. Noted Mar. 15.

Ont., Toronto—APARTMENT—See "Contracts Awarded."

Bids Received

N. J., Somerville—CLUB and STORAGE—P. C. Van Nuys, archt., 1 West Main St., general contract 3 story, basement, 70 x 150 ft., brick, steel, plain found., 149 West Main St., from Macchi & Co., West Main St., for Raritan Valley Aerie 2013, Fraternal Order of Eagles. Est $150,000. Noted June 7.

Contracts Awarded

Mass., Boston—OFFICE—A. F. Goodwin, 5 Middlesex Ave., Somerville, 4 story, basement., 40 x 90 ft., rein-con. brick, steel, marble, wood pile found., 14-16 Newbury St., to Canter Constr. Co., 6 Beacon St. Est. $150,000.

Mass., Dorchester (sta. Boston)—APARTMENTS—A. J. Marks, 131 Columbia Rd., 3 story, basement, 80 x 100 ft., brick, stone, plain found., Esmont St., separate contracts. $150,000. S. E. Mollie, 51 Cornhill, Boston, archt.

Mass., Lynn—CLUB—Boys Club of Lynn, 169 Liberty St., F. A. Strong, supt., 3 story, basement, 75 x 130 ft., brick, plain found., incl. gymnasium and concrete swimming pool, 11-15 Pleasant St., to C. H. Cummings & Son Co., 23 Central Ave. Est. $150,000. Noted May 3.

Mass., Roslindale (sta. Boston)—BANK, STORE and OFFICE—P. Basile, 22 Taft Pl., 2 story, basement, 10,000 sq.ft. floor space, rein.-con., brick, steel, stone, plain found., Washington and Poplar Sts., separate contracts. $150,000. M. E. Levy, 43 Tremont St., Boston, archt.

N. Y., Brooklyn — APARTMENT — S. Sokolov, 1670 East 17th St., 6 story, 100 x 105 ft., brick, timber, Ocean Ave. and Ave. R, separate contracts. $250,000. G. I. Prowler, 367 Fulton St., archt.

N. Y., Brooklyn—HOSPITAL—Brooklyn Eye & Ear Hospital, 94 Livingston St., hospital, to W. Kennedy, 215 Montague St. Est. $1,000,000. Noted Feb. 2.

N. Y., New York — APARTMENT — Feralton Apartments, Inc., J. Feraca, pres., 783 Grote St., 6 story, 85 x 6 ft., brick, timber, Hubbell St. and Maclay Ave., separate contracts. $285,000. G. G. Miller, 1482 Bway., archt. Noted May 31.

N. Y., New York — APARTMENT — Thayerway Constr Co., M. Herman, pres., 349 East 149th St., 6 story, 87 x 150 ft., brick, timber, 172nd St. and Commonwealth Ave., separate contracts. $250,000. C. Kreymborg & Son, 2534 Marion St., archts.

N. Y., New York — APARTMENT — Woodel Investment Holding Corp., S. S. Schwartz, pres., 421 West 162nd St. apartment, Bronx Blvd. and 228th St., separate contracts. $250,000. Glick & Dumas, 400 East Fordham Rd., archts. Noted May 31.

N. Y., New York—BANK and WAREHOUSE—Lincoln Forty-Second Street Corp., 60 East 42nd St., general contract bank and warehouse, 915,000 sq.ft. floor space, to Dwight P. Robinson Co., 125 East 46th St. Est. $30,000,000.

N. Y., New York—STORE and APARTMENT—Manor Hall, Inc., S. Metzner, pres., 1355 Grand Concourse, 6 story, store and apartment, Grand Concourse and 182nd St., separate contracts. $275,000. J. L. Cransman, 341 East 149th St., archt.

N. J., Asbury Park — APARTMENT — Traymore Holding Corp., 515 8th Ave., 5 story, basement, brick, plain found., 5th Ave., separate contracts $175,000. P. Freshman, 50 Court St., Brooklyn, N. Y., archt.

N. J., Cranford — APARTMENT — G. I. Lehman, 31 Clinton St., Newark, 3 story, basement, 100 x 100 ft., brick, plain found., Forrest Ave., separate contracts. $150,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted June 28.

N. J., East Orange—STORE and APARTMENT—Wille-Kilgus, Inc., 5 Montrose St., South Orange, 4 story, basement, 100 x 100 ft., brick, plain found., 550-556 Central Ave., separate contracts. $150,000. Warren & Warren, 31 Clinton St., Newark, archts.

N. J., Englewood — APARTMENT — S. Sarapin & Son, 3 Lucille Pl., Passaic, 4 story, basement, 85 x 152 ft., brick, steel, plain found., Engle St., separate contracts. $150,000. Former bids rejected. J. DeRose, 119 Ellison St., Paterson, archt. Noted June 14.

N. J., Jersey City—BANK—Jackson Trust Co., 104 Jackson Ave., general contract, brick, steel, plain found., 115-19 Jackson Ave. and Woodland Ave., to J. Mitchell, 40 Journal Sq. Est. $150,000. Noted Apr. 12.

N. J., Jersey City—BANK—Trust Co. of New Jersey, W. C. Heppenheimer, pres., 35 Journal Sq., general contract 1 story, mezzanine, basement, 40 x 115 ft. brick, steel, plain found., 199-201 Newark Ave., to P. F. Redfern, 569 Jackson Ave. Est. $200,000.

Constr. News page 9

Good Old Common Brick

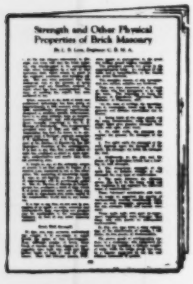
Some of this country's famous engineers tell us that when they have to design masonry structures to safely carry the heaviest loads they use good, old common brick masonry, and forget all fear of subsequent failure or deterioration.

When heavy loads and impact and vibration forces have to be resisted in a structure which must last for all time without maintenance costs, you can depend upon brick masonry. No other material can exceed and but few equal its record.

At the left are shown two views of Brick Skew Arch Bridge, Locust Valley, N. Y. carrying Long Island traffic since 1889.

Below are shown two views of Brick Arch at Yaphank, N. Y., carrying Long Island Railroad traffic since 1849.

After years of constant use, Engineer of Bridges, Frederick Auryansen says both bridges are in excellent condition.


Strength and Other Physical Properties of Brick Masonry

This paper

gives in detail the results of these tests made by the Bureau of Standards and shows the strength AND OTHER PHYSICAL PROPERTIES of brick masonry. Write for a copy—no obligation.

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These District Association Offices and Brick Manufacturers Everywhere

BOSTON
11 Beacon Street
CHICAGO
228 No. LaSalle Street
CLEVELAND
2124 Guarantee Title Bldg.
DENVER
1735 Stout Street
DETROIT
400 U. S. Mortgage Trust Bldg.
HARTFORD
226 Pearl Street
NEW YORK CITY
1716 Grand Central Terminal

THE COMMON BRICK MANUFACTURERS' ASSOCIATION OF AMERICA
2121 Guarantee Title Building
CLEVELAND, OHIO

BRICK *forever*

At Your Service
These District Association Offices and Brick Manufacturers Everywhere

NORFOLK, VA.
112 W. Plume Street
PHILADELPHIA
121 N. Broad Street
PITTSBURGH
702 First National Bank Bldg.
RALEIGH, N. C.
508 Commercial Nat'l Bank Bldg.
ROCHESTER, N. Y.
P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SEATTLE
913 Arctic Bldg.

Buildings—Commercial (Continued)

N. J., Newark—APARTMENT—North Newark Holding Co., 759 Bway., 5 story, basement, 82 x 144 ft., brick, steel, plain found., 769-79-781-91 Bway., separate contracts. $200,000. Lilien & Lilien, 155 West 72nd St., New York, archts.

N. J., Newark—APARTMENT—Plotkin Bros., 10 Harding Terrace, 3 story, basement, 75 x 100 ft., brick, steel, plain found., Sheppard and Osborne Terrace, separate contracts. $150,000. S. Cohen, 130 Branford Pl., archt. Noted June 7.

N. J., North Bergen (Ind. br. Englewood)—SHOWROOM and GARAGE—Jersey City Cadillac Co., 2401 Hudson Blvd., Jersey City, general contract 2 story, basement, 70 x 165 ft., brick, steel, plain found., Spring St., Hudson Blvd., to James Billington, 198 Fairmount Ave., Jersey City. Est. $150,000.

N. J., West Englewood—APARTMENT—N. Ayres, c/o J. Peterkin, archt., 285 Madison Ave., New York, general contract 5 story, basement, brick, steel, State and Lossier Sts., to A. A. LaFountain, Railroad Ave. and Beech St., Hackensack. Est. $250,000.

N. J., Westfield—APARTMENT—Carlton Constr. Co., 60 Park Pl., Newark, 4 story, basement, brick, plain found., Carlton Rd. and Ross Pl., separate contracts. $150,000. A. J. Silberstein, 60 Park Pl., Newark, archt. Noted June 28.

N. J., West New York—APARTMENT—Auf Der Heide & Johansen, 443-16th St., general contract 3 story, basement, brick, steel, plain found., Highland Pl. and 18th St., to Auf Der Heide Contg. Co., 443-16th St. Est. $150,000.

N. J., West New York—BANK and OFFICE—First Natl. Bank, 440-16th St., general contract 2 story, basement, brick, steel, plain found., Park Ave. and 19th St., to H. G. Auf Der Heide Contg. Co., 443-16th St. Est. $150,000. Noted Sept. 15.

Pa., Lansdowne—APARTMENT—Owner, c/o H. Klein, archt., 709 Chestnut St., Phila., 7 story, basement, 85 x 236 ft., rein.-con., brick, steel, plain found., Lansdowne Ave., to Graham-Chambley, 3649 Filbert St., Phila. Est. $800,000.

Pa., Wilson—PASSENGER STATION—Pennsylvania R.R. System, W. D. Wiggins, ch. engr. (Central Region), Pittsburgh, general contract 1 and 2 story, basement passenger station, to F. C. Dresser Co., 1082 The Arcade, Cleveland, O. Est. $150,000.

Md., Baltimore — WAREHOUSE — Bd. Awards, 2 story, 90 x 150 ft., rein.-con., steel, to P. C. Streett Eng. Co., 404 St. Paul St., for Port Development Comn., City Hall. $568,900. Noted June 14.

D. C., Wash.—AUDITORIUM—Daughters of Amer. Revolution, 17th and D Sts. N.W., general contract auditorium building, to G. A. Fuller Co., 949 Bway., New York, and Munsey Bldg., Wash., D. C., $1,875,000. Contractor takes sub-bids about July 15. Noted May 18, 1927.

O., Cleveland — APARTMENT — A. E. Dudley, 2570 Overbrook Rd., masonry contract 4 story, basement, 61 x 93 ft., brick, timber, 1680 East 117th St., to Mecker Bros., 1021 Thornhill Rd. Est. $150,000.

O., Columbus—APARTMENT—Townley Court, Inc., 30 North Washington Ave., C. Gray, secy., 3 story, basement, 48 x 165 ft., and 48 x 108 ft. with 2 wings, brick, stone, concrete, East Town St., to R. L. Wirtz, 88 North Front St., Columbus. $300,000.

O., Lorain — STORE and OFFICE — J. Gould, general contract 2 story, basement, 100 x 135 ft., brick, steel, concrete, to L. A. Burgett Co., Lorain. Est. $150,000. Noted June 7.

Ind., Indianapolis—HOTEL—Chesapeake Realty Co., general contract 12 story, basement, 71 x 90 ft., rein.-con., brick, steel, to S. & J. Falendar, c/o Bennett Kay, archt., 738 Lemcke Bldg. Est. $500,000. Noted June 14.

Ind., South Bend—OFFICE and LODGE—Odd Fellows Lodge, general contract 9 story, basement, 67 x 122 ft., rein.-con., brick, steel, stone, to Hay-Weaver Co., 2410 South Main St. Est. $400,000. Noted May 31.

Mich., Detroit—HOSPITAL—A. Kahn, archt., 1000 Marquette Bldg., 5 story, basement, 120 x 240 ft., rein.-con., brick, plain found., to Bryant & Detwiler, 2336 Dime Bank Bldg., for Womans Hospital & Infants Home, F. H. Holt, 443 Forest Ave. Est. $1,000,000. Noted May 31.

Mich., Detroit—THEATRE and OFFICE—A. G. Wilson, c/o Fidelity Trust Co., 147 West Congress St., 6 to 10 story, basement, 100 x 160 ft., rein.-con., brick, steel, caisson found., to Bryant & Detwiler, 2336 Dime Bank Bldg. Est. $1,500,000. Noted June 14.

Ill., Chicago—APARTMENT—Plotke & Grosby, 111 West Washington St., general contract 16 story, basement, 150 x 150 ft., brick, steel, to Trimmer Nydele Co., 111 West Washington St. Est. $3,000,000. Noted June 7.

Ill., Chicago—CLUB—E. H. Clark, archt., 8 East Huron St., general contract 4 story, basement, 100 x 160 ft., for Eleanor Club, 16 North Wabash Ave., to Adams Constr. Co., 217 Clarkson Court; electrical work, to C. Johnson Electrical Co., 26 North Jefferson St., plumbing, to Nilson Bros., 3222 North Halsted St., heating, to L. H. Prentice Co., 1048 West Van Buren St. Est. $275,000. Noted May 31.

Wis., Waupaca—HOSPITAL—State Managers, J. S. Salsman, agt., Veterans' Hospital, general contract 2 and 3 story, 101 x 197 ft. brick, plain found., to J. P. Cullen & Sons, 109-8th St., Janesville, $125,346. Noted May 31.

Minn., Fergus Falls—HOTEL—V. A. Wright, Fergus Falls, and 121 Clifton Ave., Minneapolis, general contract 3 story, basement, rein.-con., brick, to John Lauritzan Co., Fergus Falls. Est. $226,000.

Minn., Minneapolis — OFFICE — W. B. Foshay Co., 9th St. and 2nd Ave. S., general contract 32 story, basement, 82 x 86 ft., rein.-con., brick, stone, 9th St. between Marquette and 2nd Aves., to National Contg. Co., 311 Metropolitan Bank Bldg. Est. $2,500,000. Noted June 21.

Mo., St. Louis—HOTEL—Hotel Investment Co., % G. W. Hunter, Ry. Exch. Bldg., 15 story, basement, 70 x 109 ft., rein.-con. stone, terra cotta, Market and 8th Sts., to Kopeman Constr. Co., 4225 Lindell Blvd. Est. $1,300,000. Steam heating, elevators, etc.

Mo., St. Louis—HOTEL and APARTMENT—Coronado Hotel Co., % P. J. Bradshaw, archt., 718 Locust St., 14 story, basement, 170 x 200 ft., rein con., brick, stone, terra cotta hotel and apartment, incl. swimming pool, garage, Lindell and Spring Aves., separate contracts. $2,500,000.

Tex., Dallas—THEATRE and APARTMENT—University Park Development Co., 7 story, 120 x 128 ft., theatre and apartment, Snider Plaza and Rosedale St., to Churchill & Humphrey, Bur Bldg., $430,000.

Okla., Oklahoma City—OFFICE—Oklahoma Savings & Loan Co., 5 story, 50 x 140 ft., rein.-con., brick, plain found., 2nd St., to Harmon & Mattison, 420½ North Hudson St., $153,000.

Wash., Seattle—STORE and OFFICE—H. Bittman, archt., Securities Bldg., 3 story (ultimately 6 story), basement, 120 x 126 ft., rein.-con., brick, steel, to Warrack Constr. Co., McDowell Bldg., for J. G. Von Herberg, c/o architect. $200,000. Noted May 31.

Calif., Los Angeles — APARTMENT — Owner, 7 story, basement, Class "A" Valencia St., to J. M. Cooper, Rives-Strong Bldg., $175,000.

Calif., Oakland—OFFICE—Corporation, c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 20 story, basement brick, steel, terra cotta, concrete, 14th and Harrison Sts., to Cahill Bros., 206 Sansome St., San Francisco, $1,500,000. Noted June 21.

Calif., Rio Del Mar (Santa Cruz Co.)—HOTEL—Monroe, Lynch & Miller, c/o B. G. McDougall, archt., 353 Sacramento St., Sacramento, 2 and three story, brick, to E. T. Leiter & Son, 811 West St., Oakland. Noted May 24.

Calif., San Francisco — OFFICE and LOFT—Owner, c/o F. H. Meyer, archt., 742 Market St., 8 story, basement, rein.-con., Clay and Sansome Sts., to Cahill Bros., 206 Sansome St., $500,000. Noted June 21.

Calif., San Jose — MAUSOLEUM — Oak Hill Impvt. Co., W. Veith, dir., Commercial Bldg., rein.-con., Oak Hill Cemetery, to K. E. Parker, 1st Natl. Bank Bldg., San Francisco, $200,000.

Ont., Hamilton—BANK—Bank of Montreal, 109 St. James St., 3 story, basement, 40 x 100 ft., rein.-con., brick, steel, stone, plain found., to Pigott Constr. Co. Ltd., 4 Hughson St. Est. $500,000. Noted Jan. 26.

Ont., Niagara Falls — STORE and APARTMENT—R. C. Young & A. Holmwood, Queen St., 2 story, basement, 100 x 160 ft., rein.-con., brick, steel, plain found., Victoria Ave., to Smith Bros. Constr. Co., 1740 Ellen Ave. Est. $150,000.

Ont., Tecumseh — CLUBHOUSE — Deauville Beach Club, c/o Reaume Organization, Ford City, general contract 10 story, basement, rein.-con., brick, steel, plain found., near here, to F. R. Patterson Constr. Co., McKerchey Bldg., Detroit, Mich. Est. $1,000,000.

Ont., Toronto — APARTMENT — E. C. Bastable, 23 Martin Crescent, 3 story, basement, four 42 x 100 ft. units, rein.-con., brick, steel, plain found., Eglinton Ave., day labor. $200,000. F. MacKinnon, 2279 Queen St. E., archt.

Ont., Toronto—APARTMENT—H. Goldman, c/o Kaplan & Sprachman, archts., 305 Dundas St. W., general contract 4 story, basement, 40 x 109 ft., rein.-con., brick, steel, stone, plain found., Vaughan Rd., to D. Sher, 295 Crawford St. Est. $150,000.

Ont., Toronto—ELECTRICAL and ENGINEERING—S. M. McBridge, mayor, City Hall, general contract 1 and 2 story, basement, 250 x 500 ft., concrete, brick, steel, to Sullivan & Fried, 81 Victoria St., $443,-565; electrical work, to Canada Electric Co., 175 King St. E., $39,700. Noted Feb. 2.

Ont., Toronto—EXPRESS—J. W. R. Ambrose, ch. engr. Toronto Terminals Ry. Co., New Union Sta., general contract 3 story, basement, 50 x 600 ft., rein.-con., brick, steel, plain found., York and Station Sts., to Peter Lyall & Sons Constr. Co., New Union Sta. Est. $750,000. Noted June 7.

Ont., Toronto — HOSPITAL — Toronto General Hospital Bd., 101 College St., general contract 9 story, basement, 180 x 230 ft., rein.-con., brick, steel, stone, plain found., University Ave., to W. H. Yates Constr. Co., 95 King St. E. Est. $1,500,000.

Sask., Saskatoon—STORE—T. Eaton Co. Ltd., Yonge and Queen Sts., general contract 8 story, basement, rein.-con., brick, steel, stone, plain found., to Smith Bros. & Wilson, 1420-8th Ave., Regina; steel, to Dominion Bridge Co. Ltd., Canada Bldg., Winnipeg, Man. Est. $600,000. Noted Jan. 12.

B. C., North Vancouver—HOSPITAL—North Vancouver City and Dist., City Hall, 3 story, 60 bed, rein.-con., stucco, plain found., 13th St. W., to H. C. Redmond, 3715 West 38th St., Vancouver, $175,080. Noted June 14.

N. S., Digby—HOTEL—Canadian Pacific R.R., Windsor Sta., Montreal, Que., 100-room hotel, and swimming pool, to Parsons Ed Co. Ltd., Moncton, N. B. Noted Jan. 26.

Buildings—Industrial

Proposed Work

Mass., Chelsea (br. Boston)—FACTORY——Panco Rubber Co., F. Bermstein, pres., 31 Highland Ave., revised plans by Schein & Levine, 448 Bway., 2 story, 90 x 100 ft., concrete found., Highland Ave. To exceed $40,000. Former bids rejected. Noted Dec 29.

Mass., Foxboro—POWER HOUSE—Dpt. Mental Diseases soon takes bids 1 story, rein.-con. brick addition, pump room, plain found., State Hospital. $40,000. McLaughlin & Burr, 88 Tremont St., Boston, archts.

Mass., Hyannis—SERVICE GARAGE, SHOWROOM and REPAIR SHOP—Robertson Motor Co., School St., Taunton, brick. Barnstable Rd. $50,000. Private plans.

Mass., Millbury—POWER PLANT—Millbury Steel Fdry. Co., c/o C. T. Lund, pres., 1 story, 60 x 100 ft., brick, rein.-con., steel power plant. To exceed $40,000.

Conn., Danbury — FACTORY — Danbury Industrial Corp., c/o J. E. Pike, plans by Sutherland & Watson, 248 Main St., 1 story, brick, Shelter Rock Rd. $75,000.

Conn., Norwalk—STORE and OFFICE—W. F. Bishop, Birch St., plans by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, 4 story, basement, 75 x 100 ft., brick, stone, steel, Wall St. $150,000.

N. Y., Buffalo—FACTORY—Dupont Cellaphane Co., River Rd., sketches by Dupont Eng. Co., River Rd., factory, River Rd.

N. Y., New York—FACTORY and SHOWROOM—Vestrymen of Trinity Church, 72 Wall St., plans by V. Mayper, 15 East 40th St., 12 story, 130 x 200 ft., brick, steel addition, 160 Varnick St. $500,000.

N. Y., New York—SERVICE GARAGE—R. Kelly, 4375 Carpenter Ave., plans by J. P. Boyland, 305 East Kingsbridge Rd., 1 story, 75 x 150 ft., brick, concrete, Bronx Blvd. and 237th St. $40,000.

N. Y., New York—SERVICE GARAGE—Mulliner Realty Corp., F. Freiden, pres., 1875 Garrison Ave., plans by C. A. Clark, 441 Tremont Ave., 1 story, 95 x 100 ft., brick, concrete, Mayflower and Wilkinson Aves. $40,000.

N. Y., New York—SERVICE GARAGE—Stores Building Co., M. Brenerstock, pres., 463 7th Ave., plans by Shampan & Shampan, 188 Montague St., Brooklyn, 2 story, 100 x 277 ft., brick, concrete, Brady Ave. and Unnamed street. $200,000.

N. Y., New York—SHOP and GARAGE—Woodlawn Cemetery, H. C. Smith, pres., 20 East 23rd St., plans by J. R. Ward, 10 West 33rd St., 2 story, 62 x 100 ft., brick, concrete, 233rd St. and Katonah Ave. $100,000.

N. Y., New York—SHOP and GARAGE—Consolidated Gas Co., 130 East 15th St., 1 story, 28 x 138 ft., brick, timber, 400 East 22nd St. $40,000. Private plans.

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Buildings—Industrial (Continued)

N. J., Carlstadt (Ind. br. Rutherford)—FACTORY—Koeppen Metal Products, Inc., 361 Manhattan Ave., Union City, 2 story, 80 x 350 ft., concrete chromium plating factory. $60,000.

N. J., Jersey City — PASTEURIZING PLANT—C. H. Ziegler, archt., 75 Montgomery St., rejected bids general contract 2 story, basement, 80 x 180 ft., brick, steel, plain found., 14th and 15th Sts., for Peek Products Co., c/o architect. Noted June 28.

N. C., Charlotte — GARAGE — See "Streets and Roads."

N. C., Rocky Mount — MILL — Rocky Mount Cotton Mills Co., new mill unit.

N. C., Tarboro—POWER PLANT—City Comrs. issuing $100,000 bonds, enlarging power plant.

Ala., Mobile—FACTORY—General Cable Corp., c/o R. M. Fraser, ch.engr., 420 Lexington Ave., New York, plans factory.

Miss., Cleveland — HEATING PLANT — See "Buildings-Educational, Religious."

Miss., Ellisville—LAUNDRY—See "Buildings Commercial."

Miss., Greenville—POWER PLANT—City power plant. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs.

O., Apple Creek—POWER HOUSE—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 80 x 109 ft., steel, brick, rein.-con. power house, 32 ft. high, Institution for Feeble Minded. $40,000.

O., Cleveland — FACTORY — Ferbert-Schorndorfer Co., 12815 Elmwood St., A. J. Ferbert, pres., brick, steel extension, 12815 Elmwood St. $60,000. Engineer and architect not selected.

O., Columbus — REPAIR GARAGE — Stanton Motors, Inc., 841 North High St., plans by Richards, McCarty & Bulford, 584 East Broad St., 2 story, basement, brick, stone, concrete, 584 East Broad St. $85,000.

Mich., Detroit—FACTORY—Forham Tool Co., c/o Lane, Davenport & Peterson, archts., Charlevoix Bldg., 2 story, 60 x 60 ft., rein.-con., brick, plain found., Woodrow Wilson Ave. $75,000.

Mich., Pontiac — FOUNDRY — Oakland Motor Car Co., 1 story, 245 x 260 ft. foundry, 2 story, 60 x 360 ft. service building, 1 story, 160 x 247 ft. core building, 80 x 225 ft. sand storage building, 3 story, 60 x 100 ft. cupola building, 1 story, 120 x 270 ft. casting cleaning building, all rein-con., brick, steel, plain found., Baldwin and Joslyn Rds. $2,000,000. L. A. Blackburn, c/o owners, engr.

Ill., East St. Louis — FURNACE FACTORY—East St. Louis Casting Co., c/o R. M. Hill, pres., 16th St. and Kansas Ave., rein.-con. factory, St. Clair Ave. and Alton & Southern R.R. tracks.

Ia., Marshalltown—FACTORY—Marshalltown Trowel Co., 1 story addition. $150,000.

Mo., Springfield—STOCK FEED MANUFACTURING — Missouri Farmers Assn., Springfield, and H. A. Howden, Virginia Bldg., Columbia, sketches feed manufacturing plant, concrete, brick. $100,000.

Tex., Driscoll—COTTON GIN PLANT—Farm Bureau Gin Co., Robstown, 100 bale capacity, five 80 saw gin stands, electrically driven plant. $40,000. Private plans.

Tex., Laredo — REFINERY PLANT — Texas-Mexican Oil & Refinery Co., enlarging plant, installing new machinery. $60,000. Private plans.

Tex., Plainview—POWER PLANT—Community Power & Light Co., c/o Planters Bldg., St. Louis, Mo., and Texas Utilities Co., Plainview (recently merged), superpower plant. Private plans.

Tex., San Angelo—PLANT—Texas Compress Co., Ballinger, 1 story plant, on 8 acre site, near here. $65,000. Private plans.

Okla., Page—CARBON PLANT—Page Carbon Co. sketches, new carbon plant. $75,000. Private plans.

Wash., Seattle—SUBSTATION and OFFICE—City Light Dpt., J. D. Ross, supt., 2 story, basement, sub-basement, 70 x 111 x 126 ft. sub-station and office building, 3rd and Madison Sts. $300,000. Engineer and architect not selected.

Calif., Lindsay — PACKING PLANT — Pepper Fruit Co., concrete packing plant. $45,000 or more.

Calif., Napa—PRE-COOLING PLANT, etc.—Union Ice Co., 354 Pine St., San Francisco, pre-cooling and storage plant, 7th St. and Soscol Ave. $300,000. Private plans.

Calif., South San Francisco — SHOPS — Pacific Coast Steel Co., Hunter-Dulin Bldg., San Francisco, 2 and 3 story, 100 x 450 ft. shops, 80 x 1,408 t. machine shop, timber, concrete. $600,000. Private plans.

Que., Buckingham—LUMBER MILL—McLaren Lumber Mill Co. Ltd., mill. To exceed $100,000.

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Que., Cap de la Madeleine—FACTORY—Natl. Forest Products Co. Ltd., c/o Canada Power & Paper Co. Ltd., factory. Private plans.

Que., St. Hyacinthe—FACTORY—Otto Higel Co. Ltd., 680 King St. W., Toronto, factory. $100,000.

Ont., London—HEATING PLANT—City Council extending heating plant, new brick boiler house, installing 400 hp. boiler at Victoria Hospital. $40,000.

Ont., Mount Denis — FACTORY — Firstbrook Bros., 283 King St. E., Toronto, rein.-con., brick, steel, plain found. $300,000. Engineer and architect not selected.

Ont., Toronto—FACTORY—Kilgours Ltd., 21 Wellington St. W., 7 story, basement, 100 x 200 ft., rein.-con., brick, steel, plain found., Fleet St. $250,000. Engineer and architect not selected.

Ont., Toronto—MACHINE SHOP—Link Belt Ltd., 791 Eastern Ave., plans by Ewart, Armer & Byam, 36 Toronto St., and soon takes bids 1 story, 105 x 160 ft., rein.-con., brick, steel, plain found., Eastern Ave. $60,000.

Ont., Weston — FACTORY — Arco Co. Ltd., 16 Liberty St., Toronto, plans by Chapman & Oxley, Northern Ontario Bldg., Toronto, rein.-con., brick, steel, plain found. $150,000-$200,000.

Sask., Saskatoon—MOTOR ASSEMBLY PLANT — General Motors of Canada, Oshawa, plans by Hutton & Souter, 6 James St. S., Hamilton, 2 story, rein.-con., brick, steel, plain found. $150,000.

Bids Desired

Mass., Bridgewater—POWER PLANT—Commonwealth of Massachusetts, Dpt. Educ., Boston, taking bids rebuilding 1 story, brick power plant at State Normal School. $80,000. E. D. Kimball Co., 6 Beacon St., Boston, engr. Henry & Richmond, 12 West St., Boston, archts. Noted May 17.

Conn., Norwalk — FACTORY — Sunfast Hats, Inc., c/o Fletcher-Thompson Inc., archts., 542 Fairfield Ave., Bridgeport, bids about July 1, 3 story, basement, 200 x 300 ft., rein.-con., plain found., Rowan St.

N. Y., New York — GARAGE — A. J. Thomas, archt., 2 West 46th St. bids about July 14, garage, 338 East 48th St., for J. P. C. Realty Corp., J. P. Carney, pres., Grand Central Terminal Bldg. $90,000.

N. J., Newark—RADIO TUBE FACTORY—See "Contracts Awarded."

Pa., Aliquippa—LAUNDRY—J. F. Bontempo, archt., Woodlawn, taking bids 1 and 2 story, basement, 50 x 150 ft., brick, steel, concrete laundry, for Woodlawn Laundry Co., Aliquippa. $50,000.

O., Cleveland—FACTORY and OFFICE—Federal Fdry. Supply Co., R. Ditty, pres., 2639 East 79th St., taking new bids on revised plans 1 story, 90 x 260 ft., brick, steel, East 71st St. and Belt Line R.R. Former bids rejected. E. A. Weiland & Co., 2725 Prospect Ave., archts. Noted June 28.

Ill., Chicago—PRINTING PLANT—A. S. Alschuler, Inc., archts., taking bids 10 story, 125 x 150 ft., rein.-con., brick, 318-328 South Jefferson St., for J. T. Igoe, Van Buren and Jefferson Sts. $1,000,000. Noted Nov. 10.

Kan., Kansas City—MANUFACTURING—See "Contracts Awarded."

Contracts Awarded

N. H., Claremont—PRINTING PLANT—Eagle Press, 1 story, basement, 40 x 90 ft., brick, plain found., to W. B. Fletcher, 1 Brookside Ave. Est. $40,000.

Mass., South Boston (sta. Boston) — MANUFACTURING — Hunt-Spiller Mfg. Co., 383 Dorchester Ave., altering and constructing 1 story, 45 x 75 ft., brick, steel addition plain found. to Gibson & Williams, Inc., 65 Long Warf.

Mass., Chelsea (br. Boston)—MANUFACTURING—Forbes Lithograph Mfg. Co., 1 story, 60 x 200 ft. top addition, to Aberthaw Co., 80 Federal Marine Dept., 201 Marginal St., Boston.

Mass., Somerville (br. Boston)—PLANT—American Radiator Co., 129 Federal St., Boston, 1 story, 75 x 165 ft., brick, rein.-con. additional unit, plain found., Park St., to F. O. White Constr. Co., 100 Everett St., Arlington. Est. $50,000. Noted June 28.

Conn., East Norwalk—LABORATORY—R. T. Vanderbilt Co., c/o W. H. Cope, 50 East 42nd St., New York, 3 story, 50 x 80 ft., brick, steel, Winnfield St., to Hewlett Co., 886 Main St., Bridgeport. Est. $55,000. Noted June 2.

Conn., New Britain—MANUFACTURING—Fafnir Bearing Co., 6 story, 60 x 290 ft., rein.-con. addition to Aberthaw Co., Federal Marine Dept., 201 Marginal St., Boston, Mass.

N. Y., Brooklyn—PRINTING PLANT—Hamilton Bank Note Co., G. A. Fields, 4 story, brick, concrete addition, to J. R. Wild, 8 West 40th St., New York. Est. $75,000. Noted June 21.

N. Y., Brooklyn—STORAGE and FACTORY—New York Dock Co., 44 Whitehall St., New York, storage and factory, over 950,000 sq.ft., floor space, to White Constr. Co., 95 Madison Ave., New York. Est. $2,218,000. Noted Mar. 1.

N. Y., Mechanicsville — PLANT — West Virginia Pulp & Paper Co., 200 5th Ave., New York, brick, steel additions, to Morton C. Tuttle Co., 31 St. James Ave., Boston, Mass. Est. $500,000.

N. Y., Niagara Falls—FACTORY—Carborundum Co., Buffalo Ave., 81 x 224 ft., rein.-con. factory, to Laur & Mack, 1109 College Ave., $225,000. Noted June 28.

N. J., Asbury Park—BOILER HOUSE—Mayfair Theatre Corp., general contract 1 story, 30 x 60 ft., brick, steel, plain found., to Edgewater Constr. Co., 156 East 42nd St., New York. Est. $40,000.

N. J., Newark—RADIO TUBE FACTORY—Radio Tube Corp., 88 8th Ave., 3 story, basement, brick, steel, plain found., separate contracts. $60,000. Siegler & Greenberg, 164 Market St., archts. Noted June 28.

N. J., North Bergen — FACTORY — P. Summer, 1827 Bergen Turnpike, general contract 1 story, 90 x 100 ft., brick, steel, plain found., 995—39th St., to Bowanno Bros., 1827 Bergen Turnpike. Est. $40,000.

Pa., Allentown—GARAGE and OFFICE—Lehigh Telephone Co., 1 story, basement, 60 x 120 ft., rein.-con., brick, plain found., Linden and Jefferson Sts., to G. H. Hardner & Son, Lentz Bldg., Allentown.

Pa., Meadville — MANUFACTURING — Viscose Co., Marcus Hook, brick, steel service buildings, to J. P. Pettyjohn Co., Lynchburg, Va. Est. $1,000,000. Noted Apr. 5.

D. C., Wash. — PRINTING PLANT — United States Daily Publishing Corp., D. Lawrence, pres., 27th and M Sts., printing building and office addition, 22nd and M Sts., to F. Drew, 2525 Penn. Ave. N. W. Est. $100,000.

O., Cleveland — FACTORY — Ohio Fdry. Co., W. H. Smith, pres., 9806 Quincy Ave., 1 story, 150 x 200 ft., brick, steel, 9608 Quincy Ave., to H. B. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Est. $100,000. Noted June 14.

O., Cleveland—FORGE SHOP—Gears & Forgings, Inc., 2952 East 92nd St., 1 story, 50 x 132 ft., steel, 2952 East 92nd St., to R. S. Ursprung, Berea. Est. $40,000.

Ind., Ft. Branch—PACKING PLANT—Emge Packing Co., general contract brick, steel to Scarborough & Davis, Old State Bank Bldg., Evansville. Est. $100,000.

Ind., Ft. Wayne — FACTORY — Wayne Knitting Co., general contract rein.-con., brick, steel factory, dye house, boiler room, to Indiana Eng. Co., 201 Central Bldg. Est. $50,000.

Ind., Muncie—FACTORY, etc.—Warner Gear Co., general contract 2 story, rein.-con., brick, steel factory, to A. J. Glaser, 610 Jefferson St., est. $75,000; 1 story, 150 x 250 ft., brick, steel machine shop, to Austin Co., 16112 Euclid Ave., Cleveland, O., est. $50,000.

Mich., Detroit—ALUMINUM FOUNDRY—Packard Motor Car Co., 1580 East Grand Blvd., general contract brick, steel addition, concrete tunnel for conveyor equipment, to Everett Winters Co., 1651 East Grand Blvd. Est. $100,000. Noted June 14.

Ill., East St. Louis — FERTILIZER PLANT—Darling & Co., Mississippi Ave., and Alton & Southern R.R., rein.-con., steel, protective metal addition, to Austin Co., Arcade Bldg., St. Louis, Mo., and 510 South Dearborn St., Chicago. Est. $100,000.

Ia., Clinton—FACTORY—Lubbers & Bell Mfg. Co., 200 North 2nd St., 1 story, 86 x 161 ft., concrete, brick, to O. Haring, Clinton. Noted June 28.

Ia., Clinton—FURNITURE FACTORY—Kelly Mfg. Co., 3 story, basement, 82 x 160 ft., brick, stone, to W. L. Yokom, Dubuque.

Kan., Kansas City—MANUFACTURING—J. T. Gilman Granite Co., 1304 Elmwood Ave., Kansas City, Mo., 50 x 250 ft., and 40 x 40 ft. steel, tile manufacturing buildings, day labor.

Ore., Portland—INDUSTRIAL SHOPS—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., San Francisco, Calif., to Tranchell & Parellus, 155 Tillamook St., blacksmith Shop $17,500; flue shop $3,700; iron house $7,000; electric repair shop $7,000; school building $7,300, all 1 story, concrete, steel. Grand total $42,500.

Calif., San Jose—PACKING PLANT—Bisciglia Bros., Monterey Rd., frame, galvanized packing plant, Monterey Rd., to H. Bolwin, 1041 Garland Ave., $45,000.

Ont., London — FACTORY — Richards-Wilcox Canadian Co., W. R. Yendall, mgr., 1 story, 80 x 250 ft. addition, Chelsea

Buildings—Industrial (Continued)

Green, to John Hayman & Sons, 432 Wellington St.

Ont., Toronto—MALTING PLANT, etc.—Canada Malting Co., Royal Bank Bldg., superstructure 4 story, 150 x 200 ft., rein.-con. malting plant, and 80 x 190 ft. grain elevator, 100 ft. high, to MacDonald Eng. Co. Ltd., 434 St. Francois Xavier St., Montreal, Que. Est. $500,000. Noted May 10 under "Unclassified."

Ont., Toronto — PRINTING PLANT — McLean Publishing Co. Ltd., 149 University Ave., general contract 8 story, basement, 100 x 100 ft., rein.-con., brick, steel addition, plain found., to G. A. Fuller Co. of Canada, Metropolitan Bldg. Est. $400,000. Noted May 3.

Buildings—Educational, Religious

Proposed Work

N. H., Claremont—HIGH SCHOOL—Bd. Educ., F. H. Foster, chn., soon takes bids Senior and Junior High School, 2 story, basement, brick, stone, plain found., Broad and Summer Sts. $250,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts. Noted Apr. 26.

Mass., Lexington—CHURCH—St. Bridget's Roman Catholic Church, W. J. McCarthy, pastor, plans by E. T. P. Graham, 171 Newbury St., Boston, 1 story, basement, brick, stone, plain found., Follen St. $150,000. Noted May 31.

Mass., Lowell — PARISH HOUSE — St. Josephs Roman Catholic Church, c/o H. P. Graves, 40 Middlesex St., soon takes bids 3 story, basement, brick, stone, plain found., Decatur Ave. $150,000.

Mass., Marlboro—SCHOOLS—City, E. P. Carr, supt. schools, two grade schools, Hildreth and Bigelow Sts. $150,000 or more. Engineer and architect not selected.

Mass., Melrose—SCHOOL—City, H. H. Stuart, Main St., altering and constructing 2 story basement, brick addition to Lincoln School, Wyoming St. $180,000. Engineer and architect not selected.

Mass., New Bedford—SCHOOL—City, J. F. Tinkham, City Hall, for Vocational School for Girls. $150,000 or more. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston) — SCHOOLS — City, J. N. Muir, supt. schools, 1305 Hancock St., soon takes bids two, 2 story, basement, brick, stone, plain founds., Adams Shore and Merrymont Dist. $150,000 or more. W. Chapman, 15 Ashburton Pl., Boston, archt.

Conn., Norwalk—CONVENT—St. Joseph's Parish, D. P. Hurley, pastor, plans by W. Schmidt, 144 Golden Hill St., Bridgeport, brick, steel, Chestnut and Henry Sts. $150,000. Noted May 3.

N. Y., Brooklyn — CHURCH — Third Church of Christian Scientist, c/o S. S. Beman, 105 Monroe St., Chicago, Ill., plans by G. J. Lobenstein, 885 Flatbush Ave., 2 story, 94 x 116 ft., brick, stone, Kenmore Pl. and Albemarle Rd. $250,000.

N. Y. Hempstead—SCHOOL—Bd. Educ. (Union Free School Dist), sketches by E. Sibley, Bluff Rd., Palisades, N. J., 2 story, basement, brick, steel, plain found. William St. and Jerusalem Ave. and William St. $150,000.

N. Y., New York—COMMUNITY—Y.M.H.A., Inc., J. M. Proskauer, pres., 148 East 92nd St., plans by Racarulmer & Lehlback, 420 Lexington Ave., 100 x 195 ft., brick, steel, 92nd St. and Lexington Ave. $1,300,000.

N. Y., New York—HIGH SCHOOL—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 3 story, brick, 701 Ft. Washington Ave. $200,000.

N. Y., Yonkers — HOME — New York Guild for Jewish Blind, 200 West 72nd St., bids probably in September, home ,Saw Mill River Parkway. $500,000. W. Katz, 6 Hudson St., archt. Noted Jan. 5.

N. J., Hackensack—SCHOOL—Bd. Educ., Administration Bldg., 12 room addition to Fairmount School. $281,430. Engineer and architect not selected.

N. J., Highland Park (br. New Brunswick)—SCHOOL—Bd. Educ., Boro Hall, bids about July 16, 2 story, basement, brick, steel addition, plain found., 3rd Ave. $150,000. A. Merchant, 52 Paterson St., New Brunswick, archt. Noted May 31.

N. J., Little Ferry — SCHOOLS — Bd. Educ., Main St., E. J. Cronin, pres., sketches by Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, two 2 story, basement, brick, steel, plain founds., one on Marchinonne Property, other location given later. $185,000 each.

N. J., Lyndhurst (br. Rutherford)—SCHOOL—Bd. Educ., Town Hall, 12 room addition to Washington School. $200,000. Engineer and architect not selected.

N. J., Metuchen—HIGH SCHOOL—Bd. Educ., Boro Hall, 2 story, basement, brick, steel, plain found. $250,000. Engineer and architect not selected.

N. J., Millburn—HIGH SCHOOL—Bd. Educ., Township Hall, high school addition, Old Short Hills Rd. $400,000. Engineer and architect not selected.

N. J., Montclair — PARISH HOUSE — First Baptist Church of Montclair, A. Cohoe, pastor, 93 Union Ave., soon takes bids, general contract 2 story, basement, brick, steel, plain found., Trinity Pl. $150,000. S. J. Baum, Spuyten Duyvil Parkway and Waldo Ave., New York, archt. G. E. Merrill, 23 East 26th St., New York, associated archt. Noted Jan. 26.

N. J., North Haledon (mail Paterson)—ORPHANAGE—Sisters Order, Daughters of Mary Help of Christians, 41 Ward St., Paterson, revised plans by J. Bellomo, 6 Park Ave., Paterson, 3 story, basement, 60 x 125 ft., brick, steel, plain found., Belmont Ave. $150,000. Former bids rejected. Noted May 3.

N. J. Teaneck (mail West Englewood) — SCHOOL and AUDITORIUUM — St. Anastiasia Roman Catholic Church, R. J. O'Neill, pastor, Robinson St., sketches by De Pace & Juster, 151 West 45th St., New York, 2 story, basement, 100 x 125 ft., brick, steel, plain found., Teaneck Rd. $150,000. Noted May 17.

Pa., Harrisburg—CHURCH—St. Marys Roman Catholic Congregation, W. V. Daily, pastor, 2121 North 3rd St., plans by Link, Weber & Bowers, 407 North Craig St., Pittsburgh, 1 story, basement, stone 3rd and Woodbine Sts. $250,000.

Md., Baltimore—CATHEDRAL—Protestant Cathedral of Incarnation, Charles St. and University Parkway, plans by Frohman, Robb & Little, 140 Boylston St., Boston, Mass., 2 story, stone, Charles St. and University Parkway.

Miss., Cleveland—COLLEGE—Delta State Teachers College, sketches by C. H. Lindsley, Lamar Life Bldg., Jackson, brick, concrete academic building, dormitory, dining hall, cottages, heating plant, $350,000.

Miss., Columbia—TRAINING SCHOOL—Mississippi Industrial & Training School, sketches by V. B. Smith, Jr., Gulfport, brick, concrete power plant, girls dormitory. $175,000.

La., New Orleans — CHURCH — Grace Episcopal Church, Canal St., plans by E. Weile, Whitney Bldg., rein.-con., stone, wood pile found., Canal St. $150,000.

Tenn., Jackson—SCHOOL—Voted $225,000, school for Bd. Educ. Noted Apr. 26.

Mich., Detroit—CHURCH—Knox Presbyterian Church, c/o A. R. Morrison, archt., 804 Wormer & Moore Bldg. (1st unit), 2 story, basement, rein.-con., brick, steel, stone, plain found., Dickerson Ave. $150,000.

Mich., Detroit—CHURCH—St. Gregorys Roman Catholic Church, 6202 Hamilton Ave., plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., 2 story, basement, 65 x 180 ft., brick, steel, plain found., Dexter Blvd. $150,000.

Mich., Olivet—DORMITORY—Olivet College, E. A. Vesture, plans by Bowd & Munson, 409 Wilson Bldg., Lansing, 2 story, basement, mens dormitory, rein.-con., brick, steel, plain found. $150,000.

Ill., Park Ridge—CHURCH—E. A. Nitsche, archt., 28 East Huron St., Chicago, soon takes bids 1 and 2 story, L shaped, brick, stone, Prospect and Cedar Sts., for St. Lukes English Lutheran Congregation. $150,000. Noted May 24.

Ia., Cedar Rapids—GYMNASIUM—Coe College, H. G. Page, pres., plans by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., new gymnasium. $250,000.

Ia., Ottumwa — CHURCH — St. Marys Congregation church. $150,000. Engineer and architect not selected.

Neb., Omaha — ART MEMORIAL — Society of Liberal Arts, S. H. Joslyn, pres., 3902 Davenport St., soon lets contract 2 story, basement, 160 x 333 ft., rein.-con., steel, tile, marble, Dodge St. J. and A. McDonald, 604 Standard Oil Bldg., archts. Noted May 17.

Mo., St. Louis — HOME for AGED — Lutheran Altenheim, 1906 Lafayette Ave., sketches rein.-con., brick, stone home for aged. $500,000.

Ark., North Little Rock (Ind. br. Little Rock)—SCHOOL—Bd. Educ. plans by G. R. Mann, Donaghey Bldg., Little Rock, 4 story, basement, brick, art stone, concrete, 22nd and Main Sts. $350,000.

Tex., Houston—HIGH SCHOOL—Houston Independent School Dist., c/o H. L. Mills, 1600 Washington Ave., plans by Hedrick & Gottlieb, 2008 Post Dispatch Bldg., Senior High School addition, incl. auditorium and shops, 13th and Arlington Sts. $200,000.

Wash., Seattle — CHURCH — St. Josephs Parish, W. J. Deeney, pastor, plans by C. F. Mahon, Lloyd Bldg., 1 story, basement, 80 x 220 ft., concrete, steel, stone, 18th and Aloha Sts. $250,000.

Calif., Chico—ADMINISTRATION—State plans by G. B. McDougall, state archt., 615 Forum Bldg., Sacramento, 2 story, basement, 100 x 260 ft., rein.-con., brick, steel, plain found., for State Teachers College. $175,000.

Calif., Crescent City—SCHOOL—Crescent City Elementary School Dist., plans by N. R. Coulter, 46 Kearny St., San Francisco, rein.-con. school. $150,000.

Calif., Eagle Rock — CHURCH — Roman Catholic Archbishop, Los Angeles, plans by W. P. Major, 2051 Addison Way, rein.-con., Merton Ave. $150,000.

Calif., Fresno—HIGH SCHOOL—Roman Catholic Archbishop, plans by Swartz & Ryland, Brix Bldg., timber on 10 acre site. $300,000.

Calif., Hollywood — CHURCH — St. Thomas Episcopal Church sketches by H. H. Martin, Slavin Bldg., Pasadena, rein.-con., Hollywood Blvd. $300,000.

Calif., Livermore — HIGH SCHOOL — Livermore Union High School Dist. fireproof high school. To exceed $150,000. Engineer and architect not selected.

Calif., San Lorenzo — SCHOOL — San Lorenzo School Dist. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, brick or concrete, school. $150,000.

Que., Montreal—CHURCH—Roman Catholic Parish of St. Louis de Gonzague, new church, Rachel St. $600,000. Private plans.

Ont., Oshawa — INSTITUTE—Governors Collegiate Institute, 17 room addition, Simcoe St. $200,000.

Ont., Toronto—LIBRARY—Wycliffe College, Haskin Ave., plans by Chapman & Oxley, Northern Ontario Bldg., 2 story, basement, rein.-con., brick, steel, incl. alterations to present building, plain found., Haskin Ave. $150,000.

Ont., Walkerville—SCHOOL—Bd. Educ. plans by Nichols, Sheppard & Masson, Equity Bldg., Windsor, 2 story, basement, rein.-con., brick, steel, stone, plain found., Lens Ave. $160,000. Noted Feb. 16.

B. C., Vancouver—SCHOOL—Bd. School Trustees, 590 Hamilton St., plans by H. W. Postle, 590 Hamilton St., completing 4 story, rein.-con., incl. swimming pool, auditorium, shops, Bway. E. and Clinton St. $195,000. P. P. Brown, 407 London Bldg., engr.

Bids Desired

N. H., Concord—SCHOOL—Sacred Heart Roman Catholic Church, A. A. Sylvester, pastor, taking bids 2 story, basement, brick, stone, plain found., Pleasant St. $150,000. W. E. Provest, 1061 Elm St., Manchester, archt.

Mass., Springfield—SCHOOL—July 10, by H. L. Dorman, chn. com., 1 and 2 story, brick steel addition, incl. gymnasium and cafeteria, Chestnut and Prospect Sts. $270,000. E. C. and G. C. Gardner, 33 Lyman St., archts. Noted May 10.

Conn., New Britain—SCHOOL—July 16, by City, J. M. Halloran, chn., 4 story, 150 x 190 ft., brick, steel addition, plain found., Bassett St. $500,000. Holmer-Powers Co., Capital Loan Bldg., Lansing, Mich., archts. Noted June 30.

N. J., Elizabeth—SCHOOL—Bd. Educ., 417 South Broad St., bids about Aug. 1, general contract, School 20, 2 story, basement, brick, steel, plain found., 5th St. and Magnolia Ave. $300,000. H. B. Brady, 333 North Broad St., archt. Noted May 24.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—Bd. Educ., Boro Hall, bids about July 2, 3 story, basement, brick, steel, plain found. $250,000. F. A. Flasasser, Falls Bldg., Morris Ave., Union, archt. Noted Apr. 5.

Pa., Altoona—HIGH SCHOOL—July 20, by Bd. Educ. and Hersh & Sholler, archts., Commerce Bldg., West Side Junior High School, 2 and 3 story, basement, brick, steel. $800,000.

Pa., Hillsville — CONSOLIDATED SCHOOL — July 6, by Bd. Educ., Mahoning Twp. R. McBridge, R. F. D. Lowellville, O., and W. G. Eckles Co., archts., New Castle, Pa., 2 story, basement, 200 x 200 ft., brick, hollow tile, Mahoning Twp. $150,000.

Fla., Gainesville—DORMITORY—July 9, by Florida State Bd. Control, dormitory on University grounds. R. Weaver, 200 Peabody Hall, archt.

La., New Orleans—SCHOOL—Aug. 7, by E. A. Christy, archt., City Hall, 3 story, rein.-con., stone, steel, pile found., Mlo St.,

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Buildings—Educational, Religious (Cont.)

for Orleans Parish School Bd., City Hall. $150,000.

La., St. Martinsville—SCHOOL—July 17, by I. G. Monteguot, superv. St. Martins Parish School Bd. 2 story, rein-con., brick, steel wood pile found. $150,000. W. T. Nolan, Canal Bank Bldg., New Orleans, archt.

Ky., Erlanger—(br. Covington)—HIGH SCHOOL—July 9, by Erlanger-Elmer Public School Welfare Assn., at office H. McClorey, archt., Bank of Commerce Bldg., 4th and Main Sts., Cincinnati, O., high school.

Mich., Detroit—SCHOOL—July 12, by C. A. Gadd, bus. mgr. Bd. Educ., 2 story, basement, rein.-con., brick, steel, stone, plain found., Mt. Elliott and Canfield Sts. $175,000.

Mich., Ludington — CHURCH — S. C. Allen, archt., 205 Eddy Bldg., Saginaw, taking bids and opens same about July 10, 3 story, basement, irregular shaped, 115 x 132 ft., rein.-con., brick, steel, plain found., Court St., for Community Church Congregation. $150,000. Noted Sept. 29.

Ill., Wilmette — CHURCH — Wilmette Methodist Episcopal Congregation, H. G. Smith, pastor, 1018 Lake St., bids about Aug. 15, 2 story, basement, rein.-con., brick, stone, Lake St. and Wilmette Ave. $400,000. Granger & Bollenbacher, 333 North Michigan Ave., Chicago, archts. Noted June 21.

Bids Received

Mich., Flint — SCHOOL — Bd. Educ., 2 story, basement, 110 x 230 ft., rein.-con., brick, steel, plain found., from F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $218,800. Noted May 24.

Mich., Flint — SCHOOL — C. J. French, secy. Bd. Educ., June 6, 2 story, basement, 110 x 230 ft., rein.-con., brick, steel, plain found., Mott Ave., from Sorensen & Gross Constr. Co., Grand Rapids, $209,600. Noted May 31.

Contracts Awarded

Mass., Lynn—HIGH SCHOOL—City, c/o City School Comn., City Hall, general contract altering and constructing 2 story, basement, 75 x 160 ft., brick, stone addition to Western Junior High School, plain found., incl. boiler house, coal pocket, Hood St., to E. J. Rappoli, 53 Central St., Arlington, $105,439. Noted June 21.

Mass., Shelburne Falls — CHURCH — Congregational Church, J. Purdue, pastor, 1 story, basement, brick, to F. T. Ley & Co., Inc., 1215 Main St., Springfield. $150,000. Noted June 21.

Mass., South Boston—(sta. Boston)—CHURCH and PARSONAGE—South Boston Baptist Church, L. W. West, pastor, 1 story, basement irregular sized, brick, stone, plain found., to Somers & Drisco, 31 St. James Ave. Est. $150,000. Noted May 31 under "Boston."

R. I., Providence—SCHOOL and AUDITORIUM—St. Pius Chapel, W. A. Sullivan, pastor, 2 story, basement, brick, stone, plain found., Eaton St., to O. and S. Lavigne, 10 Weybosset St. Est. $150,000. Noted June 7.

Conn., Norwalk — CONVENT — Holy Ghost Fathers, 4 and 5 story, 45 x 110 ft., brownstone, tile, to J. Christiano, 431 Greenwich Ave., Greenwich. Est. $200,000. Noted Apr. 19.

N. Y., Cooperstown — HIGH SCHOOL — Bd. Educ., general contract high school addition, to C. M. McLean & Son., 332 Water St., Binghamton. Est. $150,000.

N. Y., Corona—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 143, 113th St., 34th and 37th Aves., to G. F. Driscoll Co., 115 Schermerhorn St., Brooklyn, $305,940; heating, to Astoria Heating Co., 41-51 70th St., Astoria, $50,220. Noted May 31.

N. Y., Jackson Heights (sta. Flushing)—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 148, to Concord Constr. Co., 476 Seneca Ave., Brooklyn, $519,800; heating, to H. Starkman & Sons, 1482 2nd Ave., New York, $77,000. Noted June 14.

N. J., Morristown—HIGH SCHOOL—Bd. Educ., 50 Early St., general contract 3 story, basement, brick, steel, plain found. Early St. and Atno Ave., to Closson Parkhurst Eng. Corp., 105 West 40th St., New York, $249,396; steam heating, to F. P. Farrell, 269 Camden St., Newark, $33,327; plumbing, to J. A. Faber Plumbing Co., 237 Diamond Bldg., Hawthorne, $18,458. Noted June 21.

Pa., Meadville—RECITATION HALL—Allegheny College, J. A. Beebe, pres., general contract 2 story, basement, 64 x 130 ft., brick, steel, to H. Platt Co., Scott Blk., Erie. Est. $150,000.

O., Akron—HIGH SCHOOL—Bd. Educ., I. M. Moses, clk., 2 story, basement, 85 x 210 ft., brick, steel, concrete, to Smith Constr. Co., Dover, $226,500. Noted June 7.

O., Gambier—RECREATION HALL—Kenyon College, W. S. Pierce, pres., general contract brick, steel, concrete recreation hall, to Crowell & Little Constr. Co., 930 Hanna Bldg., Cleveland. Est. $250,000.

O., Wooster—SCHOOL—Immaculate Conception Parish, W. L. Moriarity, pastor, 2 story, basement, 60 x 106 ft., rein.con., brick, steel, to Super-Built Constr. Co., 1836 Euclid Ave., Cleveland. Est. $150,000.

Ind., Indianapolis — CHURCH — North Methodist Episcopal Church, F. Hoke, chn. com., 3445 Washington Blvd., general contract brick, steel, to L. Colvin, Continental Bank Bldg.; steel, to R. E. Berner, 401 South Harding St. Est. $350,000. Noted Feb. 16.

Mich., Pontiac—RECREATION and GARAGE—M. D. Hubbard, South Saginaw St., 3 story, basement, 135 x 195 ft., rein.-con., brick, plain found., Water St., to H. K. Ferguson Co., General Motors Bldg., Detroit. Est. $250,000.

Ill., Maywood—SCHOOL—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, 2 story, 100 x 150 ft., to G. W. Bond, 144 North Kedzie Ave., Chicago; heating, to W. B. Graves Heating Co., 162 North Des Plaines Aves., Chicago; plumbing, to Marcus Weil & Sons Co., 3222 Elston Ave., Chicago; electrical work, to Davies Electric Co., 128 North Jefferson St., Chicago. Est. $155,000. Noted May 3.

Mo., St. Louis—NURSES HOME—Jewish Hospital of St. Louis, 216 South Kingshighway, general contract 7 story, basement, 107 x 125 ft., to Selden Breck Co., Fullerton Bldg. Est. $300,000. Noted May 24.

Calif., Bakersfield—AUDITORIUM and CLASSROOM—Kern Co. High School Dist., rein.-con., brick, to Currie & Dulgar, Kern County Land Bldg., $155,300. Noted June 28.

Ont., Hamilton — SCHOOL — Bd. Educ., general contract 2 story, basement, rein.-con., brick, stone, plain found., Wexford Ave., to W. H. Cooper, Ltd., 6 Hughson St. N. Est. $175,000.

Ont., Leamington—SCHOOL—R. M. Selkirk, secy. P. School Bd., general contract 2 story, basement, rein.-con., brick, steel, stone, plain found., to W. W. Link & Son, Albert St. Est. $150,000. Noted May 10.

Ont., Port Arthur—SCHOOL—Bd. Educ., general contract 3 story, basement, rein.-con., brick, steel, stone, to M. H. Braden, Orillia. Est. $300,000. Noted Apr. 5.

Ont., Sarnia—SCHOOL—Bd. Educ., general contract 3 story, basement, 20 room, rein.-con., brick, steel, stone, plain found., to Britnell Contg. Co., Baxter St., Toronto, $131,356; heating and ventilating, to K. White, Sarnia, $29,971. Noted June 30.

Ont., Toronto — SCHOOL — East York Twp., 443 Sammon Ave., Toronto, general contract 2 story, basement, rein.-con., brick, steel addition, plain found., to Witchall & Son, 156 St. Helens Ave. Est. $175,000. Noted May 10.

Federal Government Work

Proposed Work

Va., Hampton Roads—STOREHOUSE—Spec. 5623—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 3 story, 102 x 242 ft., rein.-con., steel, cinder block and hollow tile, at Naval Operating Base (Air Station).

Bids Desired

Connecticut — DREDGING — Aug. 3, by U. S. Engineer Office, Providence, R. I., dredging in Thames River; adv, E. N.-R. July 5.

Connecticut — DREDGING — Aug. 4, by U. S. Engineer Office Providence, R. I., dredging in Housatonic River, Conn.; adv. E. N.-R. July 5.

N. Y., Albany—DREDGING, etc.—Aug. 2, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, dredging, rock removal in Hudson River about 10.75 mi. south of here; adv. E. N.-R. July 5.

Pa., Phila.—DREDGING—Spec. 5624—July 11, Bureau Yards & Docks, Navy Dpt., Wash., D. C., dredging.

Maryland—ROADS—July 27, by U. S. Engineer Office, Wilmington, Del., constructing 3.92 mi. road between Bethel and Chesapeake City; adv. E. N.-R. July 5.

D. C., Wash.—GRANITE—July 18, at office Executive Officer, Arlington Memorial Bridge Comn., Navy Bldg., granite for Boundary Channel Bridge of Arlington Memorial Bridge Project; adv. E. N.-R. July 5.

Va., Fort Humphreys—BARRACK—July 26, at office Constructing Quartermaster, 3 engineering company barrack buildings; adv. E. N.R. July 5.

Va., Quantico — ROADS — Spec. 5644 — July 6, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., bituminous macadam paving roads at Marine Barracks.

North Carolina—DREDGING—Aug. 2, by U. S. Engineer Office, dredging in Alligator River; adv. E. N.-R. July 5.

Miss., Vicksburg—MIXING PLANT MACHINERY—July 16, at office Third Mississippi River Dist., P.O. Box 404, concrete mixing plant machinery; adv. E. N.-R. July 5. Noted June 21.

La., Carville—ENGINE—July 19, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new engine at Lepers Home.

O., Sandusky—DREDGING, etc.—July 27, by U. S. Engineer Office, dredging, excavating in Sandusky Harbor; adv. E. N.-R. July 5.

Michigan—ROCK REMOVAL—July 16, by U. S. Engineer Office, Detroit, removing 1,630,700 cu.yd. earth and rock in Course 6 and 155,400 cu.yd. from near Course 6, both in Middle Neebish Channel, St. Mary's River; adv. E. N.-R. July 5.

Ill., Chicago—STOREHOUSE—July 18, by Treas. Dpt., at office Supervising Archt., Wash., D. C., storehouse, at U. S. Marine Hospital.

Tex., Fort Sam Houston (sta. San Antonio)—ICE PLANT—A. W. Parker, Quartermaster Corp., taking bids 20 or 25 ton ice plant. $35,000.

California—BRIDGE—July 12, by C. H. Sweetser, dist. engr. U. S. Bureau P. Rds., 461 Market St., San Francisco, bridge, culvert on Route 1, Sect. B, Yosemite Natl. Park Hy., Mariposa Co.

Calif., Riverside—REMODELING, etc.—July 31, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. July 5.

Bids Received

N. Y., Beacon—DISTRIBUTING SYSTEM—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., complete outside steam distribution system, at U. S. Veterans Hospital, Castle Point, from Callahan Eng. Co., Inc., 20 Grove St., White Plains, $58,936 (120 days). Noted June 21.

N. Y., Rosebank (sta. Staten Island)—CHEMICAL STORAGE BUILDING—Treas. Dpt. at office Supervising Archt., Wash., D. C., June 21, constructing chemical storage building at U. S. Quarantine Station, from Booth Constr. Co., Inc., 69 Court St., Brooklyn, $2,769. Noted June 14.

Pa., Pittsburgh—WARD—Treas. Dpt. at office Supervising Archt., Wash., D. C., June 27, additional wards at U. S. Marine Hospital, from Unkefer Bros. Constr. Co., Bessemer Bldg., Pittsburgh, $4,640. Noted June 7.

Pa., Sharpsburg—APARTMENT, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., June 26, apartment house and officers duplex quarters at U. S. Veterans Hospital, Aspinwall, from W. P. Thurston Co., Richmond, Va., $65,000 (150 days). Noted June 14.

Ky., Dawson Springs—SHOP, etc.—U. S. Veterans Bureau, Arlington, Bldg., Wash., D. C., June 16, shop and storage building at U. S. Veterans Hospital, Outwood, from Smythe & Co., 1416 F St. N.W., Wash., D. C., $29,779. Noted June 21.

O., Cleveland—QUARTERS, etc.—Treas. Dpt. at office Supervising Archt., Wash., D. C., June 26, quarters and residences at Marine Hospital, from W. P. Thurston Co., Richmond, Va.; $264,000; mechanical equipment, from Virginia Eng. Co., Newport News, Va., $143,000. Noted May 24.

Illinois—EARTHWORK—U. S. Engineer Office, Northern Mississippi River Comn., Courthouse, St. Louis, Mo., June 19, earthwork in Henderson Co. D. D. 1, from La-Crosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., at $0.27 per cu. yd. Noted June 7.

Wyoming—ROAD—Bureau P. Rds., Custom House, Denver, Colo., May 22 and 23, grading 4.5 mi. Norris-Junction-Madison Junction, Gibbons Canyon Sect. and 3.45 mi. East Entrance Sylvan Pass Sect. Yellowstone Natl. Park, from Morrison-Knudson Constr. Co., 319 Bway., Boise, Idaho, $122,894 and $281,555 respectively. Noted May 10.

Tex., Waxahachie — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., June 25, remodeling U. S. Post Office, from L. Van Dorp & Sons, 509 Jackson St., Topeka, Kan., $3,832. Noted June 7.

Colorado—ROAD—Bureau P. Rds., Denver, grading 3.03 mi. North and South Hy., Point Lookout Sect., Mesa Verde Natl. Park, from Shields & Flatt, 1301 South York St., Denver, $76,882; 6.09 mi. Bear Lake

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Federal Government Work (Continued)

Surfacing Project, Rocky Mountain Park, from W. A. Colt & Sons, Las Animas, $37,250. Noted May 10 and June 7.

Oregon—ROAD—U. S. Engineer Office, Portland, improving 1.85 mi. Salmon River Rd., from Vonderhelm & Pierson, Medford, $57,942.

Oregon—ROADS—W. H. Lynch, dist. engr., U. S. Bureau Roads, Portland, improving 11 mi. Canyon City Burns Hy., Harney Co., from R. E. Harness,, Roseberg, $45,310; 4 mi. Trail Dr. 4, Douglas Co., from Elick & Co., Seattle, Wash., $35,519.

Contracts Awarded

N. Y., New York—ROOF—Treas. Dpt., at office Supervising Archt., Wash., D. C., reconstructing roof on U. S. Court House, to Natl. Ventilating Co., 75 10th St., Long Island City, $10,990. Noted May 31.

N. J., Lakehurst — REFRIGERATING EQUIPMENT—Spec. 5423—Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerating and ice making equipment, etc. at Naval Air Station, to York Mchy. Corp., 2224 Arch St., Phila., Pa., $14,418. Noted June 28.

Va., Danville—POST OFFICE, etc.—Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to King Lumber Co., Charlottesville, $4,481. Noted June 21.

Ala., Montgomery—HULL—U. S. Engineer Office, steel hull for dredge "Blackwater," to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $32,550. Noted Apr. 26.

Louisiana—LEVEE WORK—U. S. Engineer Office, New Orleans, levee work in Red River, Atchafalaya and Bayou Boeuf Levee Dists., to J. A. Lindstrom, Port Arthur, Tex., $13,365. Noted June 21.

La., Carville—WATER TANK—Treas. Dpt., at office Supervising Archt., Wash., D. C., water tank, filters, etc. at U. S. Marine Hospital, (Natl. Home of Lepers), to W. C. Spratt, Fredericksburg, Va., $19,500. Noted June 28.

N. D., Fargo — INFIRMARY — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., infirmary buildings, to Mads Madsen Co., 702 National Bldg., Minneapolis, Minn., $229,100; elevators, to Otis Elevator Co., 810 18th St. N.W., Wash., D. C., $5,234. Noted June 14.

Mo., Kansas City — RETARDS — U. S. Engineer Office, retards at Franklin Island, Missouri River, to Woods Bros. Constr Co., 132 South 13th St., Lincoln, Neb., $35,144.

Mo., St. Louis — REPAIRING — Treas. Dpt., at office Supervising Archt., Wash., D. C., repairing U. S. Marine Hospital, to International Co. of St. Louis, 722 Chestnut St., St. Louis, $5,360. Noted June 21.

Washington—ROAD—U. S. Bureau Pub. Rds., Office District Engineer, Portland, Ore., constructing 4.1 mi. Frying Pan Sect. Rainier Park Road System, to Lidral Constr. Co., 208 Columbus St., Seattle, $153,102.

California—BARRACKS, etc.—Construction Officers, Construction Quartermaster, March Field, barracks, field officers quarters, to Mittry Bros., Detwiler Bldg., Los Angeles, $675,815; combined headquarters and operation building, radio, parachute and armament building, paint, oils and dope warehouse, also hangars, to Los Angeles Contg. Co., 4915 West Pico St., Los Angeles, $103,900 and $239,480 respectively. Noted June 21.

Calif., San Diego—PUMPING STATION—Spec. 5478—Bureau Yards & Docks, Navy Dpt., Wash., D. C., salt water pumping station, to R. E. McKee, 1128 Central Bldg., Los Angeles, $16,000. (150 days). Noted June 21.

Calif., San Francisco—STORAGE VAULT—Treas. Dpt., at office Supervising Archt., Wash., D. C., additional storage vault at Mint Building, to Clinton Constr. Co. of California, 923 Folsom St., $57,000.

Unclassified

Proposed Work

SHEEP and HOG PENS — **New York, N. Y.**—Estate C. E. Appleby, 135 Bway., altering 4 story, 98 x 500 ft., sheep and hog pens, timber, rein.-con. $300,000.

PLAYGROUND — **Millburn, N. J.** — Bd. Educ., Township Hall, grading, sidewalks, playground apparatus at Wyoming School Playground. $25,000. E. R. Halsey, 79 Academy St., Newark, engr.

GAS MAINS—**Mount Kisco, N. Y.**—Westchester Lighting Co., 45 South Bway., Yonkers, extending gas mains.

PLAYGROUND—**Union, N. J.**—Bd. City Council, City Hall, playground. $25,000. J. C. Maulbeck, City Hall, city engr.

PIER — **Reserve, La.** — **Mississippi-Warrior Service**, 320 Magazine St., New Orleans, pier, 300 ft. into river, 12 ft. wide, 30 x 100 ft. loading platform at end of pier, on Mississippi River. $30,000. A. R. Wurtele, New Orleans, engr.

LIGHTING SYSTEM—**Springfield, Tenn.**—City white way system. $25,000.

TRANSMISSION LINE, etc.—**Texas**—West Texas Utilities Co., Abilene, 10 mi. 6,600 volt high transmission line between Dodsonville and Wellington, also distribution system. $50,000. Private plans.

AIRPORT — **Henryetta, Okla.** — Preliminary plans airport. $25,000. H. M. LaRue, Henryetta, engr.

AIRPORT — **Sulphur, Okla.** — City preliminary plans airport. $25,000.

LIGHTING SYSTEM—**Waynoka, Okla.**—City preliminary plans white way system. $25,000. E. A. Jones, Enid, engr.

TRANSMISSION LINE — **Washington**—Morton City Council rejected bids transmission line between La Grande and Morton. $60,000. Will readvertise. Noted Dec. 8.

OVERPASS—**Sargeant, Calif.**—State Hy. Comn., Sacramento, overpass over Southern Pacific R.R., Santa Clara Co., here. $90,000. Portion of cost to be borne by Southern Pacific R.R., G. W. Boschke, ch. engr., San Francisco.

HYDRO-ELECTRIC DEVELOPMENT—**Ontario**—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, 1,800 hp., probably 2 unit power plant, turbines, generators, transformer, dam, power house, cofferdams, wiring, station equipment, at Elliott Chutes on South River. $300,000. F. A. Gaby, c/o owner, ch. engr.

TEST TRACK—**Walkerville, Ont.**—General Motors of Canada, Walker Rd., grading, excavating, paving automobile test track. $50,000. Private plans.

Bids Desired

BASEBALL CAGE—**Exeter, N. H.**—July 6, by H. W. Andrews, engr., 15 East 40th St., New York, baseball cage, academy grounds, for Philips-Exeter Academy, c/o L. Perry, principal. $25,000. Noted Mar. 15.

SWIMMING POOL—**Belmar, N. J.**—C. B. Cook, archt., Asbury Park Trust Bldg., Asbury Park, bids about July 15, general contract 2 story, basement, 120 x 150 ft., brick, steel, plain found., 5th Ave. and Ocean Blvd. $375,000. Noted June 28.

HEATING—**North Bergen** (Ind. br. Weehawken), **N. J.**—July 12, by Bd. Educ., Town Hall, heating for P. S. 9, 38th and 39th Sts. Noted May 31 under "Buildings—Educational, Religious."

WOVEN WIRE FENCE—**Delaware**—See "Streets and Roads."

LIGHTING SYSTEM and AIRPORT EQUIPMENT—**Brownsville, Tex.**—July 20, by City c/o A. W. Munday, secy., lighting system for municipal airport; airport equipment, incl. storage tanks, compressor, and pumping and softening equipment. Noted June 21.

HYDRAULIC and ELECTRIC EQUIPMENT—**Oakland, Calif.**—Aug. 17, at office East Bay Municipal Utility Dist., 1924 Bway., Ray Bldg., constructing, furnishing f.o.b. Valley Springs, hydraulic and electric equipment for Pardee Power Plant, Mokelumne River. J. H. Kimball, secy.; Adv. E. N.-R. July 5.

Bids Received

PIER, etc.—**Boston, Mass.**—Repairing Commonwealth Pier 5 and altering office, from B. & M. Constr. Co., Statler Bldg., alternates from $73,807 to $75,685.

FERRYBOAT — **New York, N. Y.** — A. Goldman, comr. Plant & Structures, Municipal Bldg., June 29, steel screw ferry boat, from Todd Dry Dock Engine & Repair Co., 25 Bway., $353,241. Noted June 21.

FIRE SPRINKLERS — **Binghamton, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, automatic fire sprinklers Binghamton State Hospital, from Automatic Sprinkler Corp. of America, 411 Heffernan Bldg., Syracuse, $15,295. Noted June 7.

GENERATING UNITS — **Ogdensburg, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, electrical work, alternating current generating units at St. Lawrence State Hospital, from O'Connoll Electric Co., 63 Mt. Hope Ave., Rochester, Proposal 1 $162,500, Proposal 2 $151,445, Proposal 3 $140,000, and Proposal 4 $131,500. Noted June 7.

REFRIGERATION EQUIPMENT — **Thiells, N. Y.** — Commissioner Mental Hygiene, Capitol, Albany, June 27, refrigerating equipment, Service Building, Adult Male Group, Letchworth Village, from Automatic Refrigerating Co., Inc., 618 Capitol Ave., Hartford, Conn., $6,700. Noted June 7.

REFRIGERATION EQUIPMENT—**Utica, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, refrigeration equipment, at Utica State Hospital, from Automatic Refrigerating Co., Inc., 618 Capitol Ave., Hartford, Conn., Proposal 1 $9,400 Proposal 2, $7,891, and Proposal 3 $5,595. Noted June 7.

Contracts Awarded

WHARF—**Lynn, Mass.**—City, R. S. Bauer, mayor, City Hall, reconstructing Breed Wharf, timber wood pile, to Rendle Corp., 271 Marginal St., Chelsea. Est. $25,000. Noted May 31.

TRAFFIC LIGHTING SYSTEM—**Newark, N. J.**—Bd. City Comrs., City Hall, traffic lighting system on Broad St., to Horni Signal Mfg. Co., 281 Hudson St., New York, $30,488. Noted June 28.

LIGHTING SYSTEM—**Modesto, Calif.**—Ornamental electrolier system 1st and 10th Sts., to Walker, Martin & Montgomery, 1005 M. St., $25,335. Noted June 28.

MOORING MAST—**Montreal, Que.**—City fabricating, constructing St. Hubert Flying Field Mooring Mast, to Canadian Vickers Ltd., Maisonneuve St.

PIER—**Burlington, Ont.**—S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, rebuilding south pier, to Randolph MacDonald Co. Ltd., 1130 Bay St., Toronto, $26,000. Noted May 10.

GRAIN ELEVATOR — **Toronton, Ont.** — See "Buildings—Industrial."

Materials

Proposed Work

WATER METERS — **Pulaski, Tenn.** — Town purchasing 250 water meters for Waterworks Dpt.

Bids Desired

INORGANIC DUST—**New York, N. Y.**—July 12, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 tons inorganic dust, 650 street sign frames.

LAMP STANDARDS—**Harrisburg, Pa.**—July 9, by B. E. Taylor, secy. Dpt. Property & Supplies, State Capitol, 129 c.l. lamp standards, f.o.b. Harrisburg, at Capitol Park, Contr. F-15.

TIE RODS, FROGS, etc.—**Phila., Pa.**—July 12, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., at 15 North 32nd St., tie rods, frogs and switches, Contr. 56-1928; girder rail and girder guard rail Contr. 4323.

GUARD RAIL and ANCHORS—**Iowa**—See "Streets and Roads."

CEMENT—**Westley, Calif.**—July 14, by E. Smith, sec. West Stanislaus Irrigation Dist., 14,000 bbl. cement, f. o. b. Westley. W. E. Woolley, Patterson, engr.

Contracts Awarded

ASPHALTIC OIL, etc.—**New York, N. Y.**—J. Miller, pres. Manhattan Boro, Municipal Bldg., 700,000 gal. asphaltic oil and 600 tons asphaltic joint filler, to Standard Oil Co. of New York, 26 Bway., $43,190 and $12,438 respectively; 50,000 special 5 in. granite paving blocks, to John Meehan & Son, 90 West St., $6,075; 20,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $19,800; iron castings, to Campbell Fdry. Co., 317 Manor Ave., Harrison, $33,680; steel castings, to J. F. Pennell Co., 206 Bway., $4,525. Grand total $119,708. Noted June 28.

Foreign

Mexico, Tia Juana—W. G. Bowman, Commonwealth Bldg., San Diego, Calif., 12 story, basement hotel, to E. F. Rodriguez, Tia Juana. $750,000.

New Zealand, Auckland—Secretary Stores Division, Port and Telegraph Dpt., General Post Office, Wellington, in market 30 mi. 1/.036 in., 130 mi. 1/.044 and 55 mi. 1/.036 in. wire tinned annealed copper.

Spain — Compania Colon Transaerea, Seville, operating under subsidy from Spanish government awarded contract airport to be the base of a line of zeppelins from Seville to Buenos Aires, Argentina, S. A., to Fox Bros. International Corp. of New York, 33 Rector St., New York, N. Y. Est. $5,000,000.

See proposal advertising on page 160

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UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Unit Price Lists Published in June, 1928

		Issue of
Bridge	Wyoming	June 7
Bridge	Pennsylvania and New Jersey	June 21
Bridge	New York and Vermont	June 28
Conduit	Oklahoma City, Okla.	June 14
Grading and bridges	Wyoming	June 28
Highway	New York	June 28
Road	Pennsylvania	June 7
Road	Pennsylvania	June 14
Sewer	St. Louis, Mo.	June 7
Water-Works	St. Louis, Mo.	June 14

Sewerage and Water Systems—Southgate, Calif.

Eleven bids were opened by City, Feb. 21, for sewerage and water systems in various sections, difference between low and average 11 per cent. Involves 273,944 lin.ft. 6-21-in. cement and vitrified sewer and 178,887 lin.ft. cast iron pipe. Lowest four and highest bidders are: (A) L. Vuksich, 2851 Guirado St., Los Angeles, (awarded contract); (B) Bebek, Brkich & Chutuk; (C) G. Mitchell & Co.; (D) Torson Construction Co.; (E) T. Haverty Co.

	A	B	C	D	E
2,009 ft. 21 in. cement sewer	$4.00	$3.00	$2.80	$3.00	$3.46
967 ft. 18 in. cement sewer	2.75	2.35	2.30	2.45	2.93
2,864 ft. 15 in. cement sewer	1.85	1.90	1.85	2.00	2.38
1,844 ft. 15 in. vitrified sewer	1.90	1.90	1.85	2.00	2.45
4,509 ft. 12 in. cement sewer	1.53	1.58	1.60	1.60	2.87
532 ft. 12 in. vitrified sewer	1.58	1.58	1.60	1.60	1.92
5,505 ft. 10 in. cement sewer	1.27	1.32	1.40	1.40	1.58
167,978 ft. 8 in. cement sewer	.97	1.02	1.05	1.10	1.37
87,258 ft. 6 in. cement sewer	.70	.75	.75	.75	.92
478 manholes and junction chamber	68.00	75.00	70.00	70.00	93.00
138 flushing manholes	88.00	96.00	90.00	90.00	102.00
23 drop manholes	88.00	95.00	80.00	90.00	115.00
733 ft. 12 in. c.i. pipe	2.85	2.90	3.00	3.00	2.90
31,726 ft. 10 in. c.i. pipe	2.17	2.25	2.45	2.10	2.21
5,134 ft. 8 in. c.i. pipe	1.66	1.71	1.80	1.70	1.75
68,483 ft. 6 in. c.i. pipe	1.15	1.19	1.40	1.25	1.25
72,811 ft. 4 in. c.i. pipe	.90	.91	1.10	1.00	.95
48 ft. 2 in. copper service pipe	2.50	1.88	2.00	2.00	1.95
463 ft. 1½ in. copper service pipe	2.20	1.60	1.70	1.70	1.70
46,264 ft. 1 in. copper service pipe	.84	.84	.95	.90	.90
178 6 in. fire hydrants, one 2½ in. and one 4 in. connection, 6 in. bury pipe	65.00	65.00	67.50	65.00	70.00
22 6 in. fire hydrants, one 2½ in. connection, 6 in. bury pipe	48.00	46.00	50.00	50.00	51.00
3 6 in. fire hydrants, one 2½ in. and one 4 in. connection, 4x6 in. taper	64.00	63.00	67.50	70.00	68.00
57 6 in. fire hydrants, one 2½ in. connection, 4x6 in. taper	47.00	45.00	50.00	50.00	50.00
405,005 ft. oiled roadways	.03	.03	.04	.035	.04
2,830,000 ft. reoil roadway	.03	.03	.04	.035	.04
70,962 ft. sidewalks, reconstructed	.15	.16	.15	.14	.16
Totals	$692,335	$713,414	$741,399	$749,656	$847,340

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Bridge—Pennsylvania

State Highway Department, Harrisburg, opened bids May 4, bridge across Oswayo Creek on Route No. 236, McKean Co.; 136½ ft. long, 24 ft. roadway, 5 ft. sidewalk, from (A) Milliron Construction Co., Du Bois, (awarded contract); (B) P. N. Carll, Olean, N. Y.; (C) Purdy & Sanders, Clinton; (D) D. A. & W. E. Clark, Johnsonburg; (E) W. S. Meserve & Co., Buffalo.

	A	B	C	D	E
1,812 cu.yd. Class 1 excav. without classification	$1.40	$1.10	$1.50	$1.75	$2.00
98.2 cu.yd. Class A conc. in place	22.00	25.00	26.00	25.00	25.00
345 cu.yd. Class B conc. in place	20.00	22.00	22.00	21.00	23.00
14,467 lb. plain steel bars, in place	.05	.06	.05	.0425	.05
2,400 lin.ft. timber piles, in place	.85	.90	1.00	1.50	.80
240,000 lb. fabricated structural steel, complete in place, including painting	.0625	.065	.069	.07	.0698
351.4 sq.yd. rein. conc. wear. surf. for bridge floor, complete in place, including reinf	2.65	3.00	2.75	1.80	3.25
2 bronze name plates	50.00	10.00	75.00	40.00	56.00
Totals	$30,392	$31,740	$33,661	$34,598	$34,663

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Road—Kentucky

Eleven bids were opened by State Highway Department, Mar. 23, Clinton-Mayfield Road, Graves Co., 5.504 mi. long, difference between low and average 20 per cent. Lowest three and highest bidders, together with their bids, follow: (A) N. E. Stone & Co., Madisonville, (awarded contract); (B) Braser & Cooke, Wickliffe; (C) Carter, Carter & Braden; (D) Brady, Hagler & McDade, Fulton.

	A	B	C	D
44.25 acres clearing and grubbing	$15.00	$10.00	$20.00	$15.00
786 cu.yd. excav. for struct	.75	1.00	1.00	1.00
400 cu.yd. excav. found. dry common	1.50	1.00	1.00	2.00
150 cu.yd. excav. found. wet common	2.00	2.00	2.00	6.00
43,210 cu.yd. excav., unclass.	.28	.35	.30	.29
17,825 cu.yd. excav., unclass. borrow	.26	.30	.30	.29
7,688 sta.yd. overhaul, excav.	.02	.03	.01	.04
288 sta.yd. final dressing	2.00	2.00	2.00	3.00
30 lin.ft. relaid pipe	.50	.50	.10	.60
60 lin.ft. removing pipe	.40	.50	.10	.60
214 lin.ft. 12 in. Class A C.M. pipe	1.30	1.70	1.25	2.00
48 lin.ft. 18 in. Class A C.M. pipe	2.00	2.25	2.00	2.50
186 lin.ft. 24 in. Class A C.M. pipe	3.00	3.00	3.00	4.00
297 lin.ft. 18 in. first class pipe	2.00	2.10	2.00	2.00
387 lin.ft. 24 in. first class pipe	3.00	3.00	3.10	4.00
1,350.52 cu.yd. Class A con	16.00	17.00	17.00	19.00
14.10 cu.yd. Class D con	35.00	30.00	30.00	50.00
323.40 cu.yd. Class F con	18.00	18.00	18.00	19.00
187,899 lb. rein.-steel	.0425	.045	.05	.05
2,100 lin.ft. timber piling untr	.75	.40	1.00	1.40
2,014 lb. bronze exp. plates	.40	.40	.50	50.00
Totals	$60,632	$65,370	$65,764	$171,054

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